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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके

Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PAR III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

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CORRIGENDAM

1. In the Gazette of India, Part III, Section 2, dated 1st Oct., 1988 under the heading "Complete Specification Accepted" on page 1021 to 1024.

   (i) In respect of Patent No. 163494 (183/BOM/1985)—Indian Classification *read* as 98-I and office for opposition proceedings *read* as PATENT OFFICE BRANCH, BOMBAY-400 013.

   (ii) In respect of Patent application No. 194/Bom/1985 Patent No. *read* as—163495 and Indian Classification *read* as 170-B.

   (iii) In respect of Patent No. 163497 (252/Bom/1985) For number of drawing sheets—*for* 3 sheets *read* as 1 sheet.

   (iv) In respect of Patent No. 163500 (309/BOM/1986)—In claim at the end of line 4—*for* STOP *read* as SLOP.

2. In the Gazette of India, Part III, Section 2, dated 8th Oct., 1988 under heading "Complete specification Acepted" on page No. 1068.

In respect of Patent No. 163460—Patent Application No. is 377/BOM/1987 and not 337/BOM/1987.

In the Gazette of India, Part III, Section 2 dated the 20th August 1988, Page No. 807 column 2 under the heading "Cessation" of Patents.

Delete No. 141852.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CAUCUTTA-20

The dates shown in the crescent brackets are the dates claimed under Section 135, of the Patents Act, 1970.

The 22nd November, 1988

964/Cal/88. Orissa Cement Limited. Method for the manufacture of fired basic refractory bricks.

965/Cal/88. Orissa Cement Limited. Method for the manufacture of chemically bonded basic refrectory bricks.

966/Cal/88. Kurgansky Nauchno-Issledovatelsky Institut Experimentalnoi I Klinicheskoi Ortopedii I Travmatologii. Distraction apparatus for osteosynthesis of short tubular bones.

The 24th November, 1988

967/Cal/88. Hoechst Aktiengesellschaft. A process for the preparation of aminoaryl-β-sulfatoethylsulfone compounds.

968/Cal/88. Hoechst Aktiengesellschaft. Monoazo pigments, preparation and use thereof.

969/Cal/88. Smart House L. P. Communication and energy control system for houses.

The 25th November, 1988

970/Cal/88. Su Heung Capsule Company Limited. Drug Capsule.

971/Cal/88. Emitec Gesellschaft Fur Emissionstechnologie MBH. Process for producing a connection.

972/Cal/88. Sonoco Products Company, Stretch blow-molded polyethylene terephthalate wide mouth container and intermediate article.

973/Cal/88. Megaward International Pty. Ltd. Processing a text in order to store the text in memory.

The 28th November, 1988

974/Cal/88. The babcock & Wilcox Company. A filter whield assembly. [Divisional date 14-11-1986].

975/Cal/88. The Babcock & Wilcox Company. A gas sampling system. [Divisional date 14-11-1986].

976/Cal/88. (1) Manux Coffey (2) Norman Slak. An apparatus for compacing refuse or the like.

977/Cal/88. (1) Manus Coffey (2) Norman Slack. A refuse collection vehicle.

978/Cal/88. Hoechst Aktiengesellschaft Process for preparing a water soluble monoazo compound.

979/Cal/88. American Sterilizer Company. Sterilizable gas permeable container for use in cultering living cells.

980/Cal/88. Blount, Inc. Chain saw components and system for cutting masonry and the like.

The 29th November, 1988

981/Cal/88. Filial Vsesojuznogo Elektrotekhnicheskogo Instituta Imeni V. I. Lenina. Apparatus for cleaning a surface from substances adhered thereto.

982/Cal/88. Karagandinsky Politekhnichesky Institut. Powered support Unit.

983/Cal/88. Bollmann Hydraulik Gmbh. Bollmann gears.

984/Cal/88. Lucky, Ltd. A process for the preparation of pyrethroid ester compounds.

[Divisional dated 4th February, 1988].

APPLICATIONS FOR PATENTS FILED AT THE PATENTS OFFICE BRANCH, MUNICIPAL MARKET BUILDING, 3RD FLOOR, KAROL BAGH, NEW DELHI

The 17th October, 1988

886/Del/88. New Engineering Enterprises, "A linear displacement transducer".

887/Del/88. R. W. Simon Ltd., "Strip ventilator". [Divisional date 12th February, 1986] & (Convention date 19th February, 1985) (U.K.).

888/Del/88. Colgate-Palmolive Co., "Fabric softening and antimtatic liquid detergent compositions". [Division date 15th January, 1986].

889/Del/88. Pandrol Ltd., "Fastening railway rails". (Convention date 19th October, 1987) (Australia).

890/Del/88. Pandrol Ltd., "An electrical insulator for insulating a railway rail-fastening clip from a retaining member for it". (Convention date 19th October, 1987) (Australia).

891/Del/88. Biolandes, "Mechanism for charging and discharging a closed chamber utilizable as an extraction tank of a continuous vegetable material extraction unit and extraction process comprising an application thereof".

892/Del/88. Pandrol Ltd., "A pad for placing under a railway rail and a rail-and-fastening assembly including the pad". (Convention date 19th October, 1987) (Australia).

893/Del/88. Alsthom, "A method of installing a molecular sieve in an electrical apparatus such as a circuit breaker, and an apparatus fitted in this way".

894/Del/88. The Procter & Gamble Co., "Detergent compositions". (Convention date 19th October, 1987 & 24th March, 1988) (U.K.).

895/Del/88. B P Chemicals Ltd., "The production of non-conjugated diolefins". (Convention date 21st October, 1987) (U.K.).

The 19th October, 1988

896/Del/88. International Development Research Centre, "Dobby mechanism". (Convention date 28th October, 1987) (Canada).

897/Del/88. Dennison Manufacturing Co., "High speed decoration and embossing of sheeting".

898/Del/88. Pandrol Ltd., "Fastening railway rails". (Convention date 19th October, 1987) (Australia).

The 21st October, 1988

899/Del/88. Harrier GmbH, "Method for mixing fuel with water, apparatus for carrying out the method and fuel-water emulsion".

900/Del/88. Uniroyal Chemical Co., Inc., "Elastomeric composition having increased ozone resistance".

901/Del/88. Paul Wurth S.A., "Drum for a granulated slag filtration installation".

902/Del/88. Harrier GmbH, "Method for introducing and bonding gas into water, apparatus for carrying out the method and water produced by the method".

The 24th October, 1988

903/Del/88. Khosla Engineers, "A device for feeding of wrapping materials".

904/Del/88. Syed Qaiser Husain, "An improved auto-rickshaw".

905/Del/88. Man Mohan Lal Gupta, "An improved negotiable instrument as well as a non-negotiable instrument".

906/Del/88. Council of Scientific & Industrial Research, "Improvements in and relating to elctroslag refining of a rod or slab made of directly reduced iron for the production of high quality steel".

907/Del/88. Council of Scientific & Industrial Research, "Improvements in and relating to directly reduced iron to produce high quality steel".

908/Del/88. Council of Scientific & Industrial Research, "An improved process for making high quality steel directly from fine particiles of iron rich materials and non-cocking coal fines".

909/Del/88. Council of Scientific & Industrial Research, "A process for the production of iron based composite materials".

910/Del/88. Council of Scientific & Industrial Research, "Improvement in or relating to continuous production of rod or slab made of directly reduced iron using iron rich material fines and non-cocking coalfines".

911/Del/88. Council of Scientific & Industrial Research, "A process for making directly reduced and sintered iron rods or slabs from the fines of iron rich materials and non-cocking coal fines".

912/Del/88. Council of Scientific and Industrial Research, "A process for the production of high speed cast steel for use as high speed cutting tool".

913/Del/88. Council of Scientific & Industrial Research, "Process for the preparation of an improved catalyst composite material suitable for hydrocarbon conversions".

914/Del/88. Vsesojuzny Nauchno-Issledovatelsky I Proektny Institut Aljuminievoi Magnievoi I Elektrodnoi Promyshlennosti, "Apparatus for producing aluminate liquor from bauxite".

915/Del/88. General Foods Corporation, "Process for the preparation of soluble coffee".

916/Del/88. The Standard Oil Co., "Catalyst and catalyst precursor containing vanadium and antimony".

The 25th October, 1988

917/Del/88. Council of Scientific & Industrial Research, "A transdermal device for the administration of primaquine".

918/Del/88. Council of Scientific & Industrial Research, "A process for the production of an alkaline enzyme bate suitable for 'bating' hides and skins".

919/Del/88. Council of Scientific & Industrial Resarch, "An improved process for the conversion of methane to ethylene by catalytic and non-catalytic oxidative pyrolysis".

920/Del/88. Vertran Manufacturing Co., "Sliding door assembly".

921/Del/88. Pfizer Inc., "Substituted tetralins, chromans and related compounds in the treatment of asthama, arthritis and related diseases."

922/Del/88. Courtaulds Films & Packaging (Holdings) Ltd., "Polypropylene films". (Convention date 16th November, 1987 & 23rd August, 1988 (U.K.)

923/Del/88. Allied Signal Inc, "Polyamide composition resistant to fluorocarbon and hydrocarbon permeation".

924/Del/88. The Lubrizol Corporation, "Polysuccinate esters and lubricating compositions comprising the same".

The 26th October, 1988

925/Del/88. Satish Chandra Bisarya & others, "A process for the purification of salicylic acid".

926/Del/88. Societe De Conseils De Recherches ET D' Applications Scientifiques (S.C.R.A.S.), "Process for preparing polynucleotides, product thus obtained and pharmaceutical preparations containing the same". (Convention date 2nd November, 1987) (U.K.).

927/Del/88. International Mobile Machines Corporation, "Apparatus and method for obtaining frequency agility in digital communication systems".

928/Del/88. Societe D Conseils De Researches Et D' Applications Scientifiques (S.C.R.A.S.), "New alkoxy derivatives of ginkgolides, their preparation and therapeutic compositions containing the same". (Convention date 4th November, 1987) (U.K.).

929/Del/88. Societe De Conseils De Recherches Et D' Applications Scientifiques (S.C.R.A.S.), "New octahydro indenofuran derivatives, their preparation and therapeutic compositions containing the (Convention date 4th November, 1987) (U.K.).

The 27th October, 1988

930/Del/88. Wge Waste Energy AB, "A device for the production of gas from solid fuel".

931/Del/88. Om Prakash Agarwal, "Pre-fabricated shelters".

932/Del/88. Uniroyal Chemical Co. Inc., "Impact resistant polyethylene terephthalate/polycarbonate/PE blends".

933/Del/88. The Devilbis Co., "Paint color change system".

934/Del/88. General Foods Corporation, "Hydrolysis of a a partially extracted roasted and ground coffee".

935/Del/88. Fosroc International Ltd, "Cementitious composition". (Convention date 29th October, 1987) (U.K.).

The 31st October, 1988

936/Del/88. Allegheny Ludlum Corporation, "Method for processing cold-rolled stainless-steel shet and strip".

937/Del/88. Dany Filipovich, "Compact see-through night vision goggles".

938/Del/88. Lucas Industries Public Ltd. Co., "Improvements in apparatus for sensing changes in speed of a vehicle". (Convention date 10th November, 1987) (U.K.).

The 1st November, 1988

939/Del/88. The Gillette Company, "A razor".

940/Del/88. Marwin Cutting Tools Limited, "Endmill". (Convention date 7th November, 1987) (U.K.).

The 2nd November, 1988

941/Del/88. Council of Scientific and Industrial Research, "An improved process for the preparation of propionic Acid".

942/Del/88. Council of Scientific and Industrial Research, "A process for the preparation of catalysed oxygen scavengers suitable for prevention of metallic corrosion in systems using different grades of waters". [Divisional date 6th March, 1986].

943/Del/88. Council of Scientific and Industrial Research, "A process for the preparation of catalysed oxygen scavengers suitable for prevention of metallic corrosion in systems using different grades of waters". [Divisional date 6th March, 1986].

944/Del/88. Exxon Chemical Patents, Inc., "Fuel oil additives".

(Convention date 2nd November, 1987) (U.K.).

945/Del/88. Hardy Resarch Laboratories, Inc., "Stress tolerant plants and method for their production".

946/Del/88. Alcan International Limited., "Metal/Air battery with pulsed gas bubbling". (Convention date 9th November, 1987) (Canada).

947/Del/88. Union Carbide Corporation., "Improved composite membranes, their manufacture and their use".

948/Del/88. Union Carbide Corporation, "Treatment of permeable membranes".

The 3rd November, 1988

949/Del/88. Megapulse Incorporated., "Method of and apparatus for message communication on Loran-C Navigational signal broadcasts and the like with reduced navigation errors and with reduced skywave location errors".

950/Del/88. Scienscope International N.V., "Antiviral compounds, compositions containing such compounds and methods of treatment".

951/Del/88. Ior-Pef Tecnologie Solari S.R.L., "Process and relevant machine for coating surfaces with incident fiberglass, in particular for accomplishing surfaces for solar energy collectors".

The 4th November, 1988

952/Del/88. Council of Scientific and Industrial Research., "An improved process for the isolation and purification of gangiosieds from living tissues".

953/Del/88. Council of Scientific and Industrial Research, "An improved process for the extraction of hyaluronic acid".

954/Del/88. Council of Scientific and Industrial Research, "Improved process for the reductive leaching of polymetallic sea nodules for the recovery of copper nickel & cobalt".

955/Del/88. Union Carbide Corporation, "Improved composite membranes of poly (methyl methacrylate) blends, their manufacture and their use".

956/Del/88. Colgate-Palmolive Company, "Detergent compositions" [Divisional date 2nd June, 1986].

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, III FLOOR, SUNMILL COMPOUND, LOWER PAREL (W), BOMBAY-13.

The 26th October 1988

298/Bom/88. Rohit Harichandra Parikh An improved device for oiling/lubricating yarns.

The 27th October 1988

299/Bom/88. Ashwinbhai Ramanbhai Patel Kitchen press.

The 28th October 1988

300/Bom/88. Mohanlal P. Tank Mechanical power press with hydraulic booster

The 31st October 1988

301/Bom/88. Mohanlal P. Tank. A power hammer with a synchronous hydraulic booster.

302/Bom/88. Kumar Process Consultants and Chemicals Private Limited. An improved Filtering device.

The 1st November 1988

303/Bom/88. Swanand Anant Gogate. A self-discharging flat bottom centrifugal basket for separation of sugar crystals from massecuite.

The 2nd November 1988

304/Bom/88. Battatreya Dhondurao Ranav. Metallic wall cum flooring tiles known as 'METAMIC TILES'.

The 3rd November 1988

305/Bom/88. Mohanlal Purshottamdas Tank. A process of making snow white pigment from gypsum.

The 7th November 1988

306/Bom/88. Mr. J. H. Kowley Repair of Potholes on asphalted Roads, irrespective of seasonal conditions.

307/Bom/88. Mr. Bharat Rasiklal Gandhi Improved Heat Exchanger

308/Bom/88. Mr. Prakash Krishna Ratnaparkhi. An improved for cooling computers.

The 8th November 1988

309/Bom/88 Mr. Tanpure Navnath Baban Tanpure's Level System.

The 10th November 1988

310/Bom/88. Mr. Saratchandra Dattatray Tase New Device for cleaning of any Solid material object (such as Diamond) with crystalline structure and form.

The 11th November 1988

311/Bom/88. Hindustan Lever Ltd. Detergent Composition. (Great Britain 13th Nov. 1987).

312/Bom/88. Mr. Ranjit Singh Jaswal Improved positively dead lockable tamper evident plastic seal

APPLICATIONS FOR PATENTS FILLED AT THE PATENT OFFICE BRANCH, 61, WALAJAH ROAD, MADRAS-600 002

24th October 1988

735/Mas/88 Cogent Limited. Hypobromination of Water. (October 27, 1987; United Kingdom)

25th October, 1988

736/Mas/88 Treco Incorporated. Emulsion Explosive containing organic microspheres.

737/Mas/88 Treco Incorporated. Emulsion Explosive containing phenolic emulsifier derivative.

738/Mas/88 Institut Francais Du Petrole. Process for purifying a polysaccharide wort in order to increase its filtrability and use of the purified wort in enhanced oil recovery.

739/Mas/88. Swiss Aluminium Ltd. Apparatus for casting molten metal.

740/Mas/88 The Dow Chemical Company. A process for preparing partially neutralized strong-acid cation-exchange resins in acid form. (Divisional to Patent Application No. 589/Mas/85).

26th October 1988

741/Mas/88 V. V. Thanga Thiruppathy. Dumping wet and dry grinder.

742/Mas/88 Mitsubishi Denki Kabushiki Kaisha. Control device of electric vehicle.

743/Mas/88 Eniricerche s.p.A. and Shamprogetti SpA. Fluidifier Additives for Dispersions of coal in water.

744/Mas/88 Eduard Kusters Maschinenfabrik GmbH & Co., KG. A process for the production of wood-chip panels and the like and a double-band press for carrying out the same.

27th October 1988

745/Mas/88 Subrahmanyam Sundaranarayanan. A pneumatic-transmission that conveys power between engine and wheels of a vehicle.

746/Mas/88 K. Prasanna Kumar Shetty. S.T.D. Disconnector.

747/Mas/88 Battella Memorial Institute. Cermet anode compositions with high content alloy phase.

748/Mas/88 Battella Memorial Institute. Cermet anode with continuously dispersed alloy phase and process for making.

749/Mas/88 Battelle Memorial Institut. Anode film formation and control.

750/Mas/88 Maschinenfabrik Rieter AG. False twist air jet nozzle.

751/Mas/88 Jacobs Suchard AG. Vacuum pack, particularly for (ground) roasted coffee.

28th October 1988

752/Mas/88 Tirupattur Damodara Rao. Permeable well block.

753/Mas/88 Union Carbide Corporation. A process for the production of polyethylene using a mixed catalyst system based on a vanadium trihalide and a zirconium, oxyhalide of vanadium, or an organic vanadate.

754/Mas/88 Pro-Neuron, Inc. Acyl Deoxyribonucleoside Derivatives and use thereof.

755/Mas/88 Pro-Neuron, Inc.. Acylated uridine and oxtidine and uses thereof.

31st October 1988

756/Mas/88. Parappurathu Kurian Mathew Blade changeable rubber tapping knives and replaceable blades.

757/Mas/88 Dr. Jose Thaikattil. Vacuum Flask.

758/Mas/88. Peter Magel. A multi-spindle automatic lathe.

759/Mas/88 Schubert & Salazer Maschinenfabrik Aktiengesellschaft. An open and spinning device and method of manufactuing it.

760/Mas/88 Schlumberger Limited. Well logging method and apparatus.

1st November 1988

761/Mas/88 Raffaele Lapiccirella. Apparatus for cutting boards of asbestos cement or like material.

762/Mas/88 Raffaele Lapiccirolla. Equipment for moving asbestos-cement boards.

763/Mas/88 Ryan Investments B. V. Method and apparatus for separating and recovering particulate material. (November, 1987; Great Britain).

2nd November 1988

764/Mas/88 Rhone-Poulenc Chimie. Silica for use in dentifrice compositions.

765/Mas/88 Rhone-Poulenc Chimie. Silica for use in dentifrice compositions.

766/Mas/88 Schubert & Salzer Maschinenfabrik Aktiengesellschaft. A device for laying thread on a cheese.

767/Mas/88 Schubert & Salzer Maschinenfabrik Aktiengesellschaft. A method and device for joining the thread in an open-end spinning device.

768/Mas/88 Novatech Energy Systems, Inc., Ignition apparatus. (November 3, 1987; United Kingdom).

3rd November 1988

769/Mas/88 JDL Chemicals Limited. Process for the preparation of 4-hdroxy-3-methoxybenzaldehyde and 3-ethoxy-4-hydroxy-benzaldehyde.

770/Mas/88 Vettuvayalli Varghese Mathew. A device for tapping latex from hevea.

4th November 1988

771/Mas/88 Union Carbide Corporation. Selective Adsorption of CO_2 on Zeolites.

772/Mas/88 Dana Corporation. Two material non-asbestos casket and method of making the same.

773/Mas/88 Abex Corporation. Brake block temperature and wear measuring device.

7th November 1988

774/Mas/88 Tharakkal Raman Unni. An improved metal door.

775/Mas/88 Class OHG. Self-propelling harvester thresher.

776/Mas/88 Dansk Termo Industri A/S. Method and apparatus for production of a gas from a comminuted biological waste material

777/Mas/88 Minnesota Mining and Manufacturing Company. Pressure-sensitive adhesive closure for disposable diaper.

778/Mas/88 Minnesota Mining and Manufacturing Company. Disposable diaper having shirred ears.

9th November 1988

779/Mas/88 Javvidi Murali. Flapping date quartz analogue time and digital flapping date.

780/Mas/88 Javvadi Murali. A Twin-face digital electronic clock.

781/Mas/88 WG. Cdr. N. C. Singhal. (Microwave diathermy apparatus).

782/Mas/88 Hoogovens Groep BV. Method for bringing a plurality of steel slabs to rolling temperature in a furnace.

783/Mas/88 Polysar Limited Oil resistant thermoplastic elastomer.

10th November 1988

784/Mas/88 Allen L Cohen. Multifocals using phase shifting steps.

785/Mas/88 Allen L Cohen. Multifocal optical device.

786/Mas/88 Allen L Cohen. Optic zone phase channels.

787/Mas/88 Allen L. Cohen. Progressive intensity phase plate bifocal.

788/Mas/88 Allen L. Cohen. Multifocal optical device with novel phase zone plate.

11th November 1988

789/Mas/88 Krishnamurthy Hanasoge Venkatesh. An improved structural member for taking higher tensile/compressive stresses and a method of manufacturing the same

790/Mas/88 Hoechst Aktiengesellschaft. A method for the aeration, without exit gases, of fermentation media.

791/Mas/88 Maschinenfabrik Rieter AG. Grinding of card clothing.

792/Mas/88 Maschinenfabrik Rieter AG. A drive mechanism for the feed roll of a comining machine.

793/Mas/88 Machinenfabrik Rieter AG. A traverser for traversing a longitudinally moving yarn over a stroke, the yarn being taken up.

794/Mas/88 Maschinenfabrik Rieter AG. Method of and apparatus for the transmission of information in a manufacturing machine comprising a plurality of production stations.

795/Mas/88 Corning Glass Works Medium refractive index glass suitable for ophthalmic applications.

796/Mas/88 Nicolon B. V. A method for the forming and the deposition in a selected place of a bulk.

15th November 1988

797/Mas/88 Dr. M. Ramamoorty. A synchronous motor modified to have characteristics of a direct current motor.

798/Mas/88 Akebono Brake Industry Co. Ltd. Centerless grinding apparatus of through-feed type.

16th November 1988

799/Mas/88 Varta Batterie Aktiengesellschaft. Insulation sleeve for galvanic primary cells.

800/Mas/88 ICI Americas Inc. Novel imidate insecticides.

801/Mas/88 IRECO Incorporated. Packaged emulsion explosive and methods of manufacture thereof.

802/Mas/88 ICI Americas Inc. Heterocyclic insecticides.

803/Mas/88 Dawn E Francis. Novel organic fertilizer and production thereof.

17th November 1988.

804/Mas/88 Nuova Samim S.p.A. Process for separating antimony from acidic solutions containing same.

805/Mas/88 American Telephone and Telegraph Company. Method for fabricating articles which include high silica glass bodies and articles formed thereby. (December 4, 1987; Australia).

806/Mas/88 American Telephone and Telegraph Company. Glass body formed from a vapor-derived gel and process for producing same. (December 4, 1987; Australia).

18th November 1988

807/Mas/88 Daniel Froid. Shotgun chore wrench and case

808/Mas/88 Metacon AG. Process for maintaining open a throttled discharge passage of a sliding closure unit during continuous casting.

809/Mas/88 Kinergy Corporation. System of handling refuse derived fuel utilizing same to fire power plants. (August 12, 1988; Canada).

810/Mas/88 Gersen Establishment, Working a facet of a gemstone. (20th November, 1987; Great Britain).

811/Mas/88 Impact Technology Limited. Machine for comminuting materials. (November 20, 1987; United Kingdom).

812/Mas/88 Nagy Adly Habib. An improved method of producing cell products such as lymphokines, antigens. (February 14, 1986; Great Britain). (Divisional to Patent Application No. 91/Mas/87).

ALTERATION OF DATE

164050 Ante-dated to 17th November, 1984 (453/Cal/88).

PATENTS SEALED

161592	161625	161640	161647	161779	161787	161810
161839	161910	161975	161976	162094	162095	162107
162108	162117	162186	162187	162189	162195	162200
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152071	152339	152340	152428	152572	152786	152871
152907	153041	153205	153206	153412	153436	153476
153490	153580	153671	153737	154182	154421	155088
155113	155244	155428	155531	155608	155627	155639
155660	155774	155794	155829	155845	155846	155923

155943	156053	156182	156285	156341	156354	156400
156581	156613	156739	156743	156819	156824	156873
157031	157209	157226	157408	157585	157628	157856
157901	158015	158148	158151	158154	158157	158159
158160	158423	158632	158735	159088	159107	159192
159198	159494	159515	159519	159534	159666	159670
159938	160000	160035	160233	160234	160239	160392
160396	160399	160414	160438	160626	160627	160703
160787	160795	160860	160986	161025	161099	1 61144
161200	1 61241	161242	161316	161334	1 61351	161356
161362	161363	161364	161367	161467	161469	161472
161477	161513	161584	161624	161655	161676	161719
161764	161870	161943	161950	161969	161970	162005
162036	162040	162169.				

RESTORATION PROCEEDINGS

(1)

Notice is hereby gien that an application for restoration of Patent No. 157771 dated the 21-5-82 made by Tai Her Yang on the 15-2-88 and notified in the Gazette of India, Part III, Section 2 dated the 18-6-88 has been allowed and the said Patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 156889 dated the 20-2-82 made by The B. F. Goodrich Company on the 11-2-88 and notified in the Gazette of India, Part III, Section 2 dated the 18-6-88 has been allowed and the said Patent restored

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 159679. Dale Vivian Boucher, an Australian citizen of 13 Trumper Street, Ermington, New South Wales 2115, Australia. "Bracket for Anchoring wind Bracing Rods". 9th May, 1988.

Class 1. No. 159698. Mahinder Narain, resident of 18-Rajpura Road, Delhi-110054, India An Indian National. "Clothes Line". 16th May, 1988.

Class 1. No. 159757. Hindustan Everest Tools Limited, Dohil Chambers, 46-Nehru Place, New Delhi-19 India and Indian Limited Company, duly incorporated under the Indian Companies Act, 1956. "a Heavy Duty Chain pipe Wrench". 30th May, 1988.

Class 1. No. 159758. Hindustan Everest Tools Limited, Dohil Chambers, 46-Nehru Place, New Delhi-19, India an Indian Limited Company, duly incorporated under the Indian Companies Act, 1965, "a Heavy Duty Pipe Wrench". 30th May, 1988.

Class 1. No. 159763. Union Carbide India Limited, an Indian Company, of 1, Middleton Street, Calcutta-700 071. West Bengal, India. "Cycle Lamp". 30th May, 1988.

Class 1. No. 159944. Chaman Lal trading as K. C. Products (INDIA) I-899, Mangol Puri, Delhi-110083. (India), Indian Nationals. "Seven in one Chipsel-Cum-Cutter". 14th July, 1988.

Class 1. No. 160005. Norton & Co., 'Norton House' 23, Baker Thiruvengada Mudali St., Choolai, Madras-600112. T. Nadu, India an Indian Partnership Firm. "Type Fonts". 2nd August, 1988.

Class 3. No. 159906. M/s. Tower International, G-11, Naveen Sahadara Delhi-32, India, Proprietorship Firm "Block for educative indoor games". 1st July, 1988.

Class 3. No. 159930. Gec Plessey Telecommunications Limited, P.O. Box 53, Telephone Road, Conventry CV3 1HJ, England, a British Company. "a Free Standing Telecommunication Apparatus". 11th July, 1988.

Class 3. No. 159932. GEC Plessey Telecommunications Limited, of P.O. Box 53, Telephone Road, Coventry CV3 1BJ, England, a British Company. a Telephone Handset". 11th July, 1988.

Class 3. No. 159940. Ashish Enterprises, Irani Bldg, Ground floor, 303, Cawasji Street, Bombay-2, State of Maharashtra, India, an Indian Partnership firm. "TRAY". 11th July, 1988.

Class 3. No. 159942. Tata Enterprises, an Indian sole Proprietory firm carrying on business at 9, Jeevan Prabha, T. P. S. 4th Road, Opp. Bhabha Hospital, Bandra. Bombay-400 050, Maharashtra State, India. "Ceiling Rose" 12th July, 1988.

Class 3. No. 159953. R & C Products Pty. Limited, a company incorporated under the laws of the Australian Capital Territory, Commonwealth of Australia of 33 Hope Street, Ermington, New South Wales, Australia, a "Dispenser for use in a Cistern". Reciprocity date is 19th January, 1988 (Australia).

Class 3. No. 159961. Orson Electronics Limited, a Company incorporated under the Companies Act, having its registered office at 209/210 Arcadia, Nariman Point, Bombay-400 021, in the State of Maharashtra, within the Union of India. Television Rack". 18th July, 1988.

Class. 3. No. 159963. Kores (India) Limited, a Company incorporated under the Companies Act, having its registered office at Plot No. 10, Off, Dr. E. Moses Road, Worli, Bombay-400 018, in the State of Maharashtra, within the Union of India. "Bottle". 18th July, 1988.

Class 3. No. 159964. Runtime Service, a registered Partnership Firm, having its office at E-303, Godavari Shantivan National Park, Borivali East, Bombay 400 066, in the state of Maharashtra, within the Union of India. "Computer Dist Box". 18th July, 1988.

Class 3. No. 160012. M/s. Arise Pharmaceuticals, Krishna Cottage Co. Housing Society, Room No. 10, 1st floor, Dattapada Cross Road No. 2. Borivli (East), Bombay-400066, State of Maharashtra, India, an Indian Partnership firm. "INHALER". 3rd August, 1988.

Class 3. No. 160031. Advert Pen (MFG) Company, of 103, Bussa Heavy Industrial Estate, Hanuman Lane, Lower Parel Bombay-400013, Maharashtra, India a sole Proprietorship concern, "a Ball Pen". 17th August, 1988.

Class 3. 160311. Eastern Telecom & Technology Limited, E-32, Jeelal Street, Mandi Chowk, Moradabad, Uttar Pradesh, India, a Company incorporated under the Indian Companies Act, 1956, "Key Telephone System". 25th October, 1988.

Class 4. No. 159962. Kores (India) Limited, a Company incorporated under the Companies Act, having its registered office at Plot No. 10, Off, Dr. E. Moses Road, Worli, Bombay-400 018, in the State of Maharashtra, within the Union of India. "Bottle". 18th July, 1988.

Class 4. Nos. 159972 & 159973. Vintex, a Registered Partnership firm carrying on business of Swadeshi Mills Estate, 1st Floor, Tata Road No. 1, (Lane of Rexy Cinema) Opera House, Bombay-400 004: Maharashtra, India. "Vintex". 21st July, 1988.

Class 4. No. 160006. Panikassery Kumaran Sreenivasan, Managing Trustee, Kerala Technician Society, 5/1125, Sherien Building, Wynad Road, Calicut-673006, Kerala State, India, Indian national. Hollow Clay Building Blocks", 2nd August, 1988.

Class 5. No. 160310. Munch Food Products Private Limited (a company incorporated under the Indian Companies Act), whose address is D-992, New Friends Colony, New Delhi-110065, India. "Chocolate Box". 25th October, 1988.

Class 8. Nos. 160133 to 160136. Taj Mahal Collections, Chauri Road, Bhadohi-221401, Distt. Varanasi, (UP), India, "Carpet" 19th September, 1988.

Class 8. Nos. 160137 & 160138. Kothari Carpets, Madhosingh P.O. Aurai, Distt. Varanasi, Uttar Pradesh State, India. "Carpet". 19th September, 1988.

Class 8. Nos. 160139 to 160142. Indo Kashanian Rugs, Chauri Road, Bhadohi-221401, Varanasi (U.P.), India. "Carpet". 19th September, 1988.

Class 8. Nos. 160143 to 160152. Shah-Kar, Bazar Sardar Khan, Bhadohi, Dist. Varanasi. (UP), India. "Carpet". 19th September, 1988.

Extn. of Copyright for the Second period of five years. Nos. 154699, 158534, 152389, 153485, 158349, 158350, 158348, 158347. ..... Class-1.

Nos. 157597, 157598, 158352, 153588, 158351, 153625, 158535. Class-3.

Extn. of Copyright for the Third period of five years. Nos 147282, 158534, 158349, 158350, 158348, 158347.....Class-1.

Nos. 157597, 157598, 147480, 158352, 158535, 158351.....Class-3.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specifications are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multipling the same by four to get the charges as the copying charges per page are Rs. 4/-.

Class. 34-A. 164011.

Int. Cl. C01d 13/02.

APPARATUS FOR PRODUCING MELT SPUN SYNTHETIC ORGANIC POLYMER FILAMENT.

Applicant : E. I. DU PONT DE NEMOURS AND COMPANY, AT WILMINGTON, DELAWARE, U.S.A.
Inventor : 1. MUNZER MAKANSI.

Application No. 886/Cal/84 filed December 27, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

An apparatus for producing synthetic organic polymer filaments, wherein molten polymer is extruded through spinneret orifices to form filaments which are forwarded to an elongated cross-flow chimney wherein the filaments are quenched by a flow of air which is supplied through turbulence reducers from a plenum outlet that is substantially coextensive with one wall of the chimney and is directed substantially perpendicular to the paths of the filaments, characterized by, for increasing the decitex uniformity of the melt extruded filaments, a tubular delayed quench assembly located immediately downstream of the spinneret, having a central passage through which the filaments are advanced from the spinneret into the cross-flow chimney and including a foraminous outlet portion which protrudes into the cross-flow chimney.

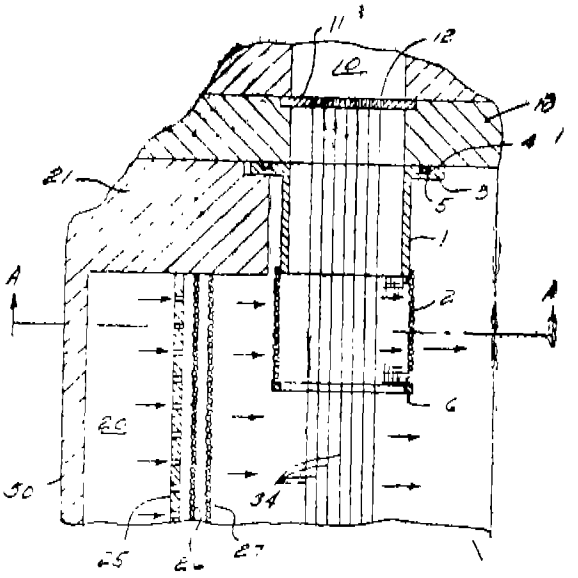


Fig. 1

Compl. Specn. 14 pages. Drg 3 sheets.

Int. Cl. H01s 4/00. 164012.

FREQUENCY STABILIZED AUTOMATIC GAIN CONTROLLED.

Applicant : INTENT PATENTS A. G. C/O. TIMOTHY ELWES, 7 STOREY'S GATE, WESTMINSTER, LONDON SW1P3AT UNITED KINGDOM.

Inventor : 1. JACQUES MARIE HANLET.

Application No. 59/Cal/85 filed January 30, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A frequency stabilized, gain controlled ballast system having a power source for actuating at least one gas discharge tube, comprising :

(a) frequency control means connnected to said power source for establishing a substantially constant oscillation signal of predetermined frequency;

(b) switching means coupled to said frequency control means for establishing a pulsating current responsive to said substantially constant oscillation signal at said predetermined frequency; and,

(c) induction means coupled to said frequency control means and said switching means for generating a voltage across said gas discharge tube responsive to said pulsating current established by said switching means, said induction means including automatic gain control means for maintaining a gain value of said switching means to a predetermined level.

Compl. Specn. 40 pages. Drg. 1 sheet.

CLASS : 107-G 164013

Int. Cl. : F 01 p 3/00.

APPARATUS FOR COOLING INTERNAL COMBUSTION ENGINES.

Applicant & Inventor : JOHN W. EVANS, AT ROUTE 41, SHARON, CONNECTICUT 06069, U.S.A.

Application No. 325/Cal/85 filed April 29, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

Apparatus for cooling an internal combustion engine comprising :

a coolant jacket around at least part of each combustion chamber and exhaust runner of the engine and containing a boilable liquid coolant having a saturation temperature above 132°C at atmospheric pressure;

a liquid cooling circuit including a heat exchanger and mechanical pump means for circulating the coolant from the coolant jacket through the heat exchanger and back to the coolant jacket to provide heat rejection in the heat exchanger such that no vapor is formed in the liquid cooling circuit as a result of the pressure drop induced by the pump and such that the temperature of the coolant within portions of the heat portion of the coolant jacket that are in elevation above locations adjacent to combustion chamber domes and exhaust runners are maintained below the saturation temperature of the coolant for the system pressure;

at least one outlet from the highest region in the coolant jacket adapted to remove and release continuously by substantially unrestricted convection from the coolant jacket substantially all gases, including vapor formed by localized boiling of the liquid coolant in areas adjacent to combustion chamber domes and exhaust runners, other than gases that condense in the coolant within the jacket, whereby the major part of the coolant jacket in areas around combustion chamber domes and exhaust runners is kept filled with coolant in the liquid phase at all times;

condenser means including a condenser chamber for receiving the gases removed and released from the coolant jacket through the outlet and condensing condensable constituents thereof; and

return means for returning the condensate from the condenser means-to the coolant packet.

Compl. specn. 47 pages, Drg. 1 sheet

2—397Gi/88

Int. Cl : F 16 k 3/00 164014

PIVOTAL SLIDING GATE VALVE FOR METALLURGICAL VESSELS.

Applicant : METACON AG., OF OERLIKONERSTR. 88, CH-8057 ZURICH, SWITZERLAND.

Inventors : 1. BERNHARD TINNES, 2. BERNHARD KNELL, 3. WALTER VETTERLI.

Application No. 461/Cal/85 filed June 21, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A pivotal sliding gate valve for controlling the flow of molten metal including a housing and a refractory base plate in sliding contact with a sliding plate which is carried by a frame which in turn is pivotally carried by a pivotal link whereby it may pivot with respect thereto about a first axis, the pivotal link being connected to a pivot pin by connection means including a ball joint whereby the pivotal link may rotate with respect to the pivot pin about a second axis perpendicular to the first axis and about axes perpendicular to the second axis, the ball joint having cooperating at least partly spherical surfaces of which one is afforded by or connected to the pivotal link and the other is afforded by a clamping member or a further member retained in position by a clamping member, the clamping member being removably connected to the pivot pin, either the housing or the pivotal link carrying a single or plurality of rollers in engagement with a rollertrack carried by the pivotal link or the housing.

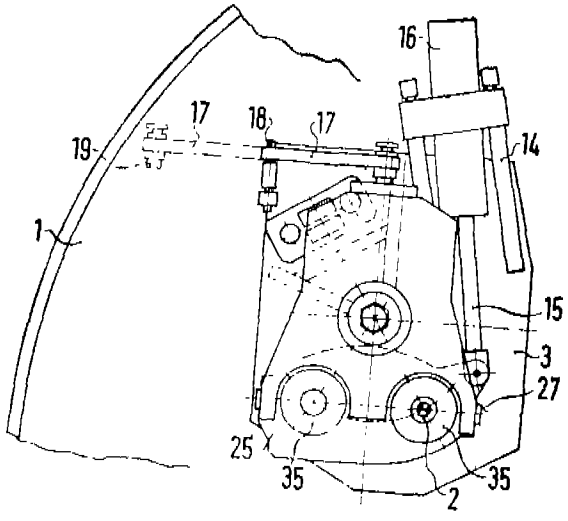


Fig. 1

Compl. specn. 14 pages. Drg. 4 sheets

CLASS : 104-P 164015

Int. Cl. : C 08 d 13/28.

AN IMPROVED PROCESS FOR THE VULEANIZATION OF HALOGEN RUBBER.

Applicant : DEGUSSA AKTIENGESELLSCHAFT, OF 6000 FRANKFURT AM MAIN, WEISSFRAUENSTRASSE 9, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. SIEFRIED WOLFF, 2. DR. WERNER SCHWARZE, 3. HEINZ GREWATTA.

Application No. 486/Cal/85 filed June 28, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

An improved process of vulcanization of rubber which comprises subjecting to vulvanization 2-sec. amino-4, 6-dimercapto-s-triazine compound containing halogen rubber mixture which also contains from 10 to 100 phr (parts per 100 parts of rubber) of a silicate filler optionally containing 10 to 40 phr of carbon black.

Compl. specn. 16 pages Drg. 1 sheet

CLASS : 32-B 164016

Int. Cl. C07c 1/00 to 15/00.

PROCESS FOR REDUCING METALLIC OXIDES TO METALLIZED MATERIAL.

Applicant : MIDREX INTERNATIONAL B.V. ROTTERDAM. ZURICH BRANCH. OF WILFRIEDSTRASSE 12, 8032 ZURICH, SWITZERLAND.

Inventor : 1. CHARLES WALTER SANZENBACHER.

Application No. 595/Cal/85 filed August 16, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A process for reducing metallic oxide e.g. iron oxides or nickel oxides to metallized material utilizing process fuel gas containing hydrocarbons of pentane or higher, comprising :

(a) establishing a gravitational flow of the particulate metallic oxide material through a generally vertical shaft furnace by charging such materials to the upper portion of said shaft furnace to establish a particulate burden therein having an upper stock line, and removing metallized product from the bottom of said furnace;

(b) introducing a reducing gas mixture such as herein described to said gravitational flow of material in said shaft furnace intermediate the ends of said furnace;

(c) causing said reducing gas mixture to flow countercurrently through said gravitational flow of material reducing the metal oxide to metallized product and forming a reacted top gas;

(d) removing said reacted top gas from the top of said furnace;

(e) introducing process fuel gas containing higher hydrocarbons e.g. natural gas containing hydrocarbons of pentane or higher, to said furnace at an elevation above that of the reducing gas introduction;

(f) causing said process fuel gas containing said higher hydrocarbons to flow upwardly through said burden;

(g) removing a substantial portion of said process gas with said higher hydrocarbons at an elevation above the said upper stock line but lower than the elevation at which reacted top gas is removed;

(h) cleaning and scrubbing said top gas and said process gas;

(i) combining said cleaned and scrubbed top gas and process gas and passing the mixture through a stoichiometric reformer to form a reformer gas; and

(j) introducing said reformed gas to said shaft furnace through the bustle gas inlet.

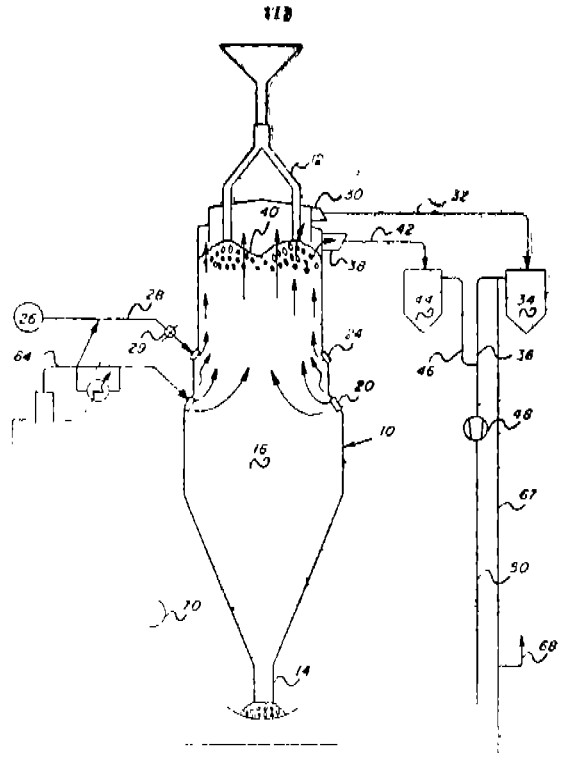


Fig. 1

Compl. specn. 11 pages. Drg. 2 sheets

CLASS : 108-C3; 141-D; 167-C, D & E 164017

Int. Cl. : B071 1/00, 9/00.

APPARATUS FOR REMOVING OVERSIZE FROM THE HOT MATERIAL DISCHARGED FROM A ROTARY KILN USED TO PRODUCE SPONGE IRON BY A DIRECT REDUCTION OF IRON OXIDE CONTAINING MATERIALS.

Applicant : METALLGESELLS CHAFT AKTIENGESELLSCHAFT OF REUTERWEG 14, D-6000 FRANKFURT AM MAIN, WEST GERMANY AND NEW ZEALAND STEEL LTD., OF GLENBROOK, SOUTH AUCKLAND; AUCKLAND 1, NEW ZEALAND.

Inventors : 1. HELMUT ERNST, 2. ALFRED BREIER, 3. MANFRED SCHWALBACH, 4. KARL-HEINZ WILL, 5. ALAN BUCHANAN CAMERON, 6. PETER CECIL BATES.

Application No. 557/Cal/86 filed July 23, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

Apparatus for removing oversize from the hot material discharged from a rotary kiln used to produce sponge iron by a direct reduction of iron oxide containing materials, which apparatus comprises :

a stationary kiln head which surrounds and is gastightly sealed to the discharge end of the rotary kiln;

an oversize discharge device provided on the kiln head, and a discharge device for the particles which have passed through the sievelik separator;

characterized in that the sievelike separator consists of a rigid, cooled, inclined grate (1);

a collecting container (3) for collecting the oversize is mounted on the kiln head (2) and is provided at its

discharge end with a gate valve (4),

the collecting container (3) is surrounded by and gastightly sealed to an outer container (5), which is provided with a gastight flap valve (6) and with fitting (7) for a gastight connection to a transport container (8);

the kiln head (2) is designed to form under the grate (1) a buffer bin (9) for the particles falling through the grate;

the buffer bin (9) is succeeded by a batching bin (10), which is provided with a gastight upper shut-off valve (11);

the batching bin (10) is provided on its discharge side with a gastight lower shut off valve (12) and with a fitting (13) for a gastight connection to a transport container (14); and

the volume of the batching bin (10) is smaller than the volume of the transport container (14).

Compl. specn. 14 pages. Drg. 3 sheets

Int. Cl. : G 05 b 11/06 164018

CONTROL DEVICE.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF SITTELSBACHERPLATZ 2, D-8000, MUNCHEN 2, WEST GERMANY.

Inventors : 1. DIETER DIEGEL, 2. GERHARD PLOHN, 3. MANFRED SCHUH, 4. GISELA SCHUH, 5. SABINE SCHUH, 6. MICHAEL SCHUH.

Application No. 559/Cal/86 filed July 24, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

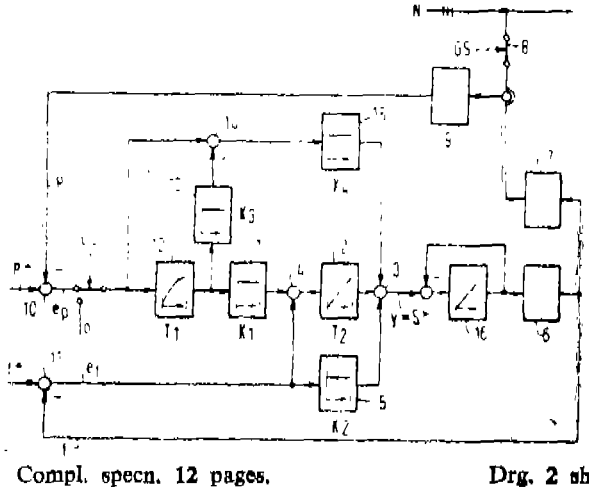
4 Claims

An apparatus for controlling a turbo generator having a speed and a power controller, each of which have integral behaviour, comprising :

common integrator means for the speed and the power controller (for providing the integral behaviour);

a first proportional member means having as an input a signal derived from a power deviation signal representing a difference between a present reference power value and an actual power value and an output coupled to an input of the common integrator means, a speed deviation signal comprising the difference between a reference speed value and an actual speed value being coupled additively to said common integrator means input; and

a second proportional member means having as an input the speed deviation signal for forming a proportional amplification of the speed controller, the output signal of said second proportional member means being added to the output of the common integrator means.



Compl. specn. 12 pages. Drg. 2 sheets

Int. Cl. : F 16 g 3/08 164019

AN IMPROVED ARRANGEMENT FOR FASTENING THE BASE PLATE OF A BUCKET TO A BELT.

Applicant : O & K ORENSTEIN & KOPPEL AKTIENGELLSCHAFT, OF 1000 BERLIN, BRUNSBUTTELER DAMM 144-208, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. HELMUT MOHR, 2. ROLF KRUGER.

Application No. 795/Cal/86 filed October 31, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

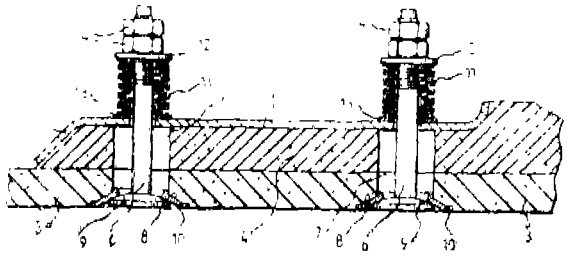
An improved arrangement for fastening the base plate of bucket to a belt by means of special screws, comprising :

screws the beads whereof are placed in reinforced spherically shaped receses formed in the rear side of the belt and the shafts of the screws extending through holes defined in the belt;

characterised in that a plate-shaped rubber member is placed between the base plate of the bucket and the belt;

a projecting portion being formed on the plate-shaped member on the rearward end thereof as seen in travel direction of the belt;

the rearward edge of the base plate resting against the projecting portion.



Compl. specn. 8 pages. Drg. 1 sheet

Int. Cl. : A 61 k 33/00 164020

PROCESS FOR PREPARATION OF NOVAL COMPOSITION OF CHELATES FOR DETOXIFICATION OF TOXICAL METAL ELEMENTS POISONING IN ENVIRONMENTAL POLITION IN HUMAN, ANIMAL AND TO SOME EXTENT IN PLANT KINGDOM.

Applicant & Inventor : DR. NIHERENDU BIKAS SINHA, 7, SAMBHU CHATTERJEE, STREET, CALCUTTA-700007, INDIA.

Application No. 107/Cal/88 filed February 8, 1988.

Division of Application No. 718/Cal/84 dated 4-10-84.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim

A method of preparation of Chelate composition for detoxification of toxic elements, in mono, di, tri, tetra valent cationic state in food, drinking water and in environmental pollution, comprising :

Na_2 HEEDTA (Disodium Hydroxy-Ethyl-Ethylene diamine tetra acetate) 500 mg/1;

Na_2CDTA (Disodium Cyclohexantrans 1, 2 diamine tetra acetate)-500 mg/1;

Na_2EDDHA (Disodium Ethylene Diamine di (O-hydroxy Phenyl acetate)--500 mg/1 i.e. total chelate composition 2 mg/1 against detoxication of 1 gm/1 or toxic elements, which comprises micronising the chemicals in 100-200 mesh through pulveriser and then mixed in above stated ratio.

Compl. specn. 10 pages. Drg. Nil

CLASS : 164021

Int. Cl.[4] : B 23 P 15/50.

CUT-OFF STYLE, ROLL THREAD FLAT DIES.

Applicant : QUAMCO, INC., A CORPORATION DULY ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE OF INDUSTRIAL PARK, HOLDEN, MASSACHUSETTS 01520, U.S.A.

Inventor : JOSEPH F. DICKSON.

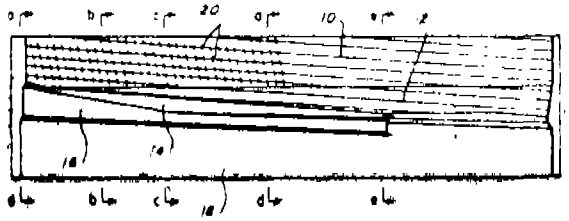
Application No. 50/Mas/85 filed on 21st January, 1985.

Convention date : 18th June, 1984. (No. 456, 770-6; Canada).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

9 Claims

A cut-off style, roll thread flat die for use with a matched cut-off style, roll thread flat die to form a threaded, pointed fastener such as a gimlet point screw, said cut-off style, roll thread flat die having a top operating surface comprising body-threads, point threads, a slug traction ramp to provide controlled rotation for the cut-off slug and a slug extrusion taper to provide proper extrusion of the cut-off slug from the fastener, said slug traction ramp and said slug extrusion taper extending in side-by-side relation from a start location, past a transition location to a termination location, characterised in that said slug traction ramp and said slug extrusion taper (14) having a common edge and thereby being laterally continuous from said start location to said transition location (c-c), said slug extrusion taper (14) forming an obtuse angle with said slug traction ramp (16) from said start location (a-a) to said transition location (c-c), the edge of said slug extrusion taper (14) adjacent said slug traction ramp (16) being substantially vertically spaced above the edge of said slug traction ramp adjacent said slug extrusion taper from said transition location (c-c) to said termination location (e-e), said spacing continuously increasing from said transition location to said termination location, said slug extrusion taper (14) having a selected and constant angle of inclination, and said slug traction ramp (16) having a selected and constant orientation.



Compl. Specn. 9 pages. Drgs. 2 sheets.

CLASS : 164022

Int. Cl.[4] : B 29 C 53/22.

A LOAD-BEARING FIBREGLASS REINFORCED PLASTIC OVERHEAD PANEL COVER FOR USE IN TRENCHES AND STRUCTURES AND A METHOD OF MAKING THE SAME.

Applicant : CEAT TYRES OF INDIA LIMITED, HAVING REGISTERED OFFICE AT NO. 463, DR. ANNIE BESANT ROAD, WORLI, BOMBAY-400 025. A COMPANY DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE UNION OF INDIA.

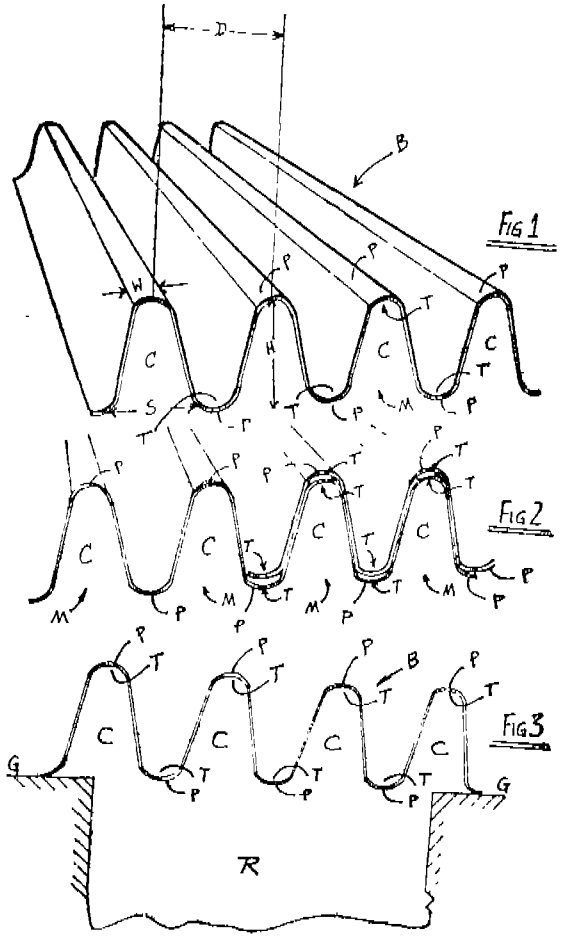
Inventor : SARMA SUNDARAM.

Application No. 74/Mas/85 filed on 28th January, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

5 Claims

A load-bearing fibreglass reinforced plastic overhead panel cover for use in trenches and structures comprising at least one FRP body formed into alternately opposed channels, the mouth of each channel converging into a throat having a curved periphery, the said body either singly or a plurality of the said bodies with their channels engaged with each other in overlapping array providing a load-bearing cover for the said trenches and structures; the curved peripheries of the throats of the engaged channels permitting easy disengagement thereof.



Compl. Specn. 7 pages. Drg. 1 sheet.

CLASS : 164023

Int. Cl.[4] : H 02 K 15/09.

A METHOD OF MANUFACTURING AN ARMATURE WINDING CONDUCTOR FOR USE IN THE MANUFACTURE OF A DYNAMO ELECTRIC MACHINE ARMATURE.

Applicant : LUCAS INDUSTRIES PUBLIC LIMITED COMPANY, A BRITISH COMPANY, OF GREAT KIND STREET, BIRMINGHAM, B19 2XF, ENGLAND.

Inventor : DEREK EDWARD ALLEN; MALCOLM COLIN WOODWARD; BRIAN WILLIAM CLEAVER.

Application No. 105/Mas/85 filed on 8th February, 1985.

Convention date 18th February 1984 (No. 840342; GREAT BRITAIN).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Branch, Madras-2.

8 Claims

A method of manufacturing an armature winding conductor for use in the manufacture of a dynamo electric machine armature, the method comprises fusing brazing alloy onto the surface of the conductor, and, performing a shaping operation on the fused alloy to ensure that the dimensions of the conductor, in the region carrying the alloy, are such that the conductor can pass through the slots of the armature core with which the windings are to be associated in use.

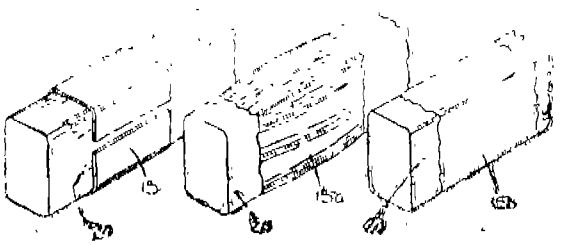


Fig. 2 Fig. 3 Fig. 4

Compl. Specn. 11 pages. Drg. 1 sheet.

CLASS : 164024

Int. Cl.[4] : B 65 D 41/18.

CLOSURE FOR CONTAINER.

Applicant : METAL BOX P.L.C., A BRITISH COMPANY, OF QUEENS HOUSE, FORBURY ROAD, READING, BERKSHIRE RG1 3 JH, ENGLAND.

Inventor : STEPHEN FREDERICK KELSEY, ANDRZEJ JAN JOSEF JUTY.

Application No. 112/Mas/85 filed on 11th February, 1985.

Convention date 18th February 1984 (No. 140320; UNITED KINGDOM).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

12 Claims

A closure for a container of the kind having a pouring aperture and a venting aperture in one end of the container, said closure being moulded in one piece of plastics material and comprising respective annular collar portions adapted to fit as a plug within the said aperture and respective plugs each attached by a rupturable section of the plastics material to the mouth of its annular collar portion to seal the respective aperture, each plug being shaped to permit, after breaking of the rupturable section to open the aperture, the plug to be forced back into the collar portion to re-seal the aperture as a plug, the two plugs being connected to one another by a connecting member which is flexibly connected to one another by a connecting member which is flexibly connected to one of the collar portions so as to retain the plugs after opening of the apertures, wherein the connecting member is extended beyond the vent plug to form a pull tab, which is threby connected directly to the vent plug and through the connecting member to the pouring aperture plug, and the flexible connection of the connecting member to the said one collar portion is a flexible tie means extending from a side or sides of the pouring aperture plug.

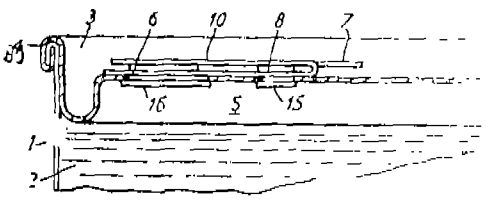


Fig. 1

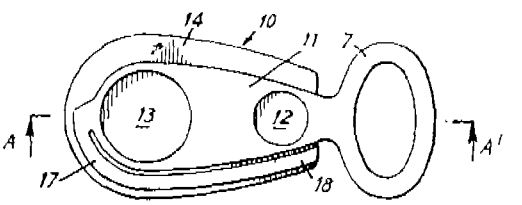


Fig. 2

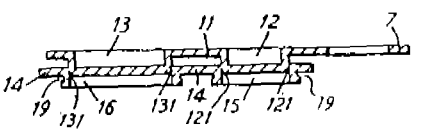


Fig. 3

Compl. Specn. 14 pages. Drgs. 3 sheets.

CLASS : 164025

Int. Cl.[4] : B 03 C 13/06.

A METHOD FOR OBTAINING MANGANESE ORE PARTICLES OF HIGH MANGANESE CONTENT FROM A MIXTURE OF PARTICLES OF HIGH AND LOW MANGANESE CONTENT.

Applicant : SAMANCOR MANAGEMENT SERVICES (PTY) LTD., OF SAMANCOR HOUSE, 88 MARSHALL STREET, JOHANNESBURG 2001, TRANSVAAL, REPUBLIC OF SOUTH AFRICA. A SOUTH AFRICAN COMPANY.

Inventor : JOHN IVOR WILLIAM WATTERSON, ARIE HUGO ANDEWEG, JACOUE PIERRE FRIEDRICH SELLSCHOP.

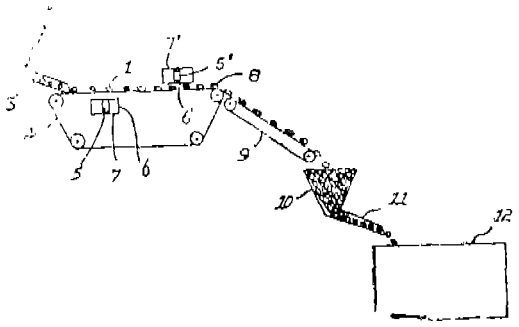
Application No. 115/Mas/85 filed on 12th February, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

9 Claims

A method for obtaining manganese ore particle of high manganese content from a mixeure of particle of high and low manganese content wherein the ore particles are irradiated with neutrons to induce radio activity to the metal atoms so that they emit gamma rays which is detected to sort particles of relatively high metal content from particles of relatively low metal content, wherein the ore is irradiated with neutrons from more than one direction in order to in-

crease the level of flux intensity with subsequent removal of high manganese content ore particles in a known manner.



Compl. Specn. 11 pages. Drg. 1 sheet.

CLASS : 164026

Int. Cl.[4] : F 25 J 3/04.

PROCESS AND APPARATUS FOR THE PRODUCTION OF GASEOUS NITROZEN BY THE LOW TEMPERATURE DISTILLATION FROM AIR.

Applicant : AIR PRODUCTS AND CHEMICALS, INC., INCORPORATED IN THE STATE OF DELAWARE, OF P. O. BOX 538, ALLENTOWN, PA 18105, U. S. A.

Inventor : RAKESH AGRAWAL, KENNETH WILLIAM KOVAK.

Application No. 129/Mas/85 filed on 15th February, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

19 Claims

A process for the production of gaseous nitrogen by the low temperature distillation of air in two distillation columns comprising :

(a) producing two different pressure feed air streams by compression in order to have a low pressure feed air stream and a high pressure feed air stream;

(b) expanding a process stream selected from feed air, nitrogen or a waste stream through an expansion turbine to reduce its pressure and temperature so as to provide refrigeration for the distillation process;

(c) introduction at least a part of the high pressure feed air stream into a first high pressure, distillation column;

(d) introducing the low pressure feed air stream into a second, low pressure, distillation column;

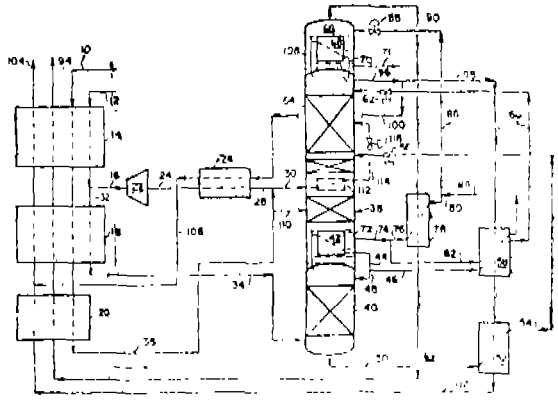
(e) condensing a nitrogen reflux stream in the high pressure column by heat exchange of the nitrogen of the high pressure column against the bottom liquid of the low pressure column in a reboiler-condenser;

(f) removing nitrogen-rich liquid from the high pressure column, expanding it and introducing it into the low pressure column as reflux;

(g) removing a bottom stream from the high pressure column expanding it and introducing it into the low pressure column;

(h) condensing a nitrogen reflux stream in the low pressure column in a vaporizer-condenser against bottom liquid from said column which is expanded to a lower pressure and temperature and introduced into the vaporizer-condenser, and

(i) removing a portion of the nitrogen overhead vapor from the low pressure column as a product.



Compl. Specn. 20 pages. Drgs. 2 sheets.

Int. Cl[4] —B 01 D 53/14 164027

A METHOD OF PURIFYING A GAS BY REMOVING CO_2 OR CO_2 AND H_2S

Applicant : BASF AKTIENGESELLSCHAFT, A GERMAN JOINT STOCK COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF D-6700 LUDWIGSHAFEN, FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) ECKHART-WAGNER
(2) KLAUS VOLKAMER
(3) WERNER HEFNER
(4) ULRICH WAGNER

Application No. 174/Mas/85 filed March 6, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.)

6 Claims

A method of purifying a gas by removing CO_2 or CO_2 and H_2S from gas containing CO_2 of CO_2 and H_2S by means of an aqueous alkanolamine—containing absorption liquid which comprises :

(a) treating the gas containing CO_2 or CO_2 and H_2S, in a first absorption stage, at from 40° to 100°C, with an aqueous absorption liquid containing from 20 to 70% by weight of methyldiethanolamine optionally containing 0·05 to mole/l of a primary or secondary amine or alkanolamine ;

(b) feeding the gas obtained at the top of the first absorption stage to a second absorption stage for further removal of CO_2 or CO_2 and H_2S treating at 30 to 90°C with an aqueous absorption liquid containing from 20 to 70% by weight of methyldiethanolamine optionally containing 0·05 to 1 mole/l of a primary or secondary amine or alkanolamine and has a lower content of CO_2 or CO_2 and H_2S than the absorption liquid fed into the first absorption stage,

(c) taking off the treated gas at the top of the second absorption stage,

(d) feeding the aqueous absorption liquid obtained at the bottom of the second absorption stage which is preladen with CO_2 or CO_2 and H_2S to the top of the first absorption stage ;

(e) draining the aqueous absorption liquid obtained in the lower part of the first absorption stage laden with CO_2 or CO_2 and H_2S in two or more flash stages in order to regenerate it, the final flash stage being operated under a reduced pressure of from 0·3 to 1 bar;

(f) recycling a stream of absorption liquid obtained at the bottom of the final flash stage to the first absorption stage;

(g) feeding a further spream of absorption liquid obtained at the bottom of the final and/or penultimate flash stages to a stripping zone for further regeneration, and

(h) recycling the regenerated absorption liquid obtained at the bottom of the stripping zone to the second absorption zone.

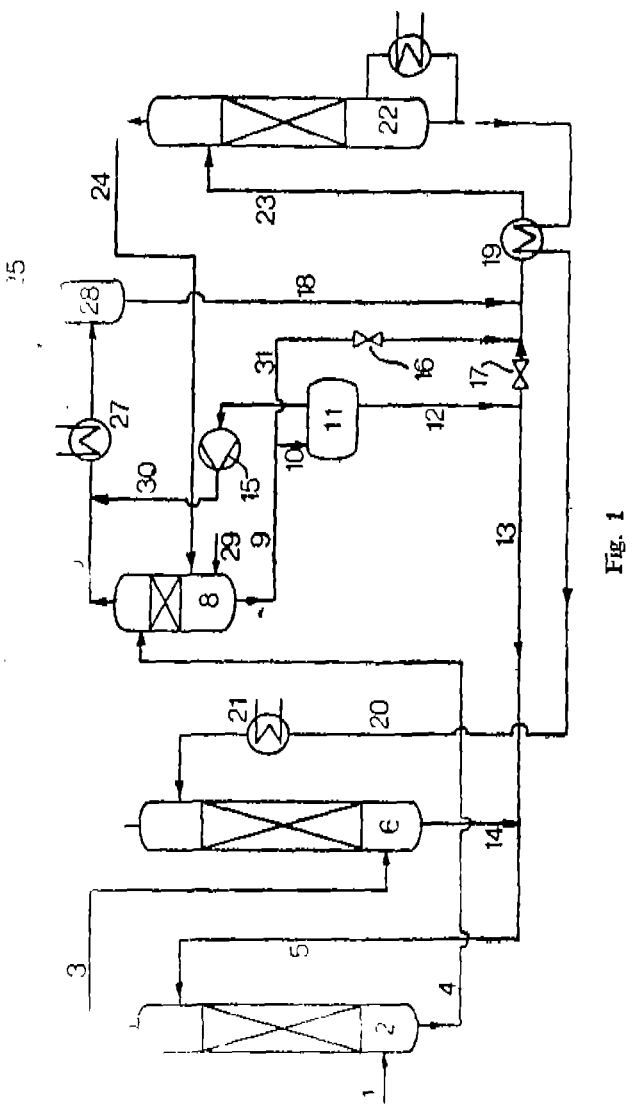


Fig. 1

Comp. Specn. 16 pages. Drgs. 2 sheets.

CLASS : 4 164028

Int. Cl. : C 21 C 5/28

A METHOD OF REFINING METAL.

Applicant : BRITISH STEEL CORPORATION, A BRITISH CORPORATION INCORPORATED AND EXISTING UNDER THE IRON AND STEEL ACT, 1967, OF 9 ALBERT EMBANKMENT, LONDON SE1 7SN, ENGLAND.

Inventor : ADRIAN STANTON NORMANTON.

Application No. 207/Mas/85 filed on 20th March, 1985.

Convention dated 21st March 1984 (No. 8407366, Great Britain).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

A method of refining metal of the kind involving successive blowing cycles, each comprising blowing a refining gas into or onto the upper surface of a melt contained in a treatment vessel and injecting a striping or processing gas directly into the melt through at least one injection element projecting through the wall or base thereof, and tapping metal so produced or refined from the vessel comprising the steps of providing the injection element with a covering of solidified slag between successive blowing cycles; monitoring pressure in the supply of gas to the injection element in a succeeding blowing cycle and carrying out further injection element slag covering operations between blowing cycles in dependence upon the monitored pressure.

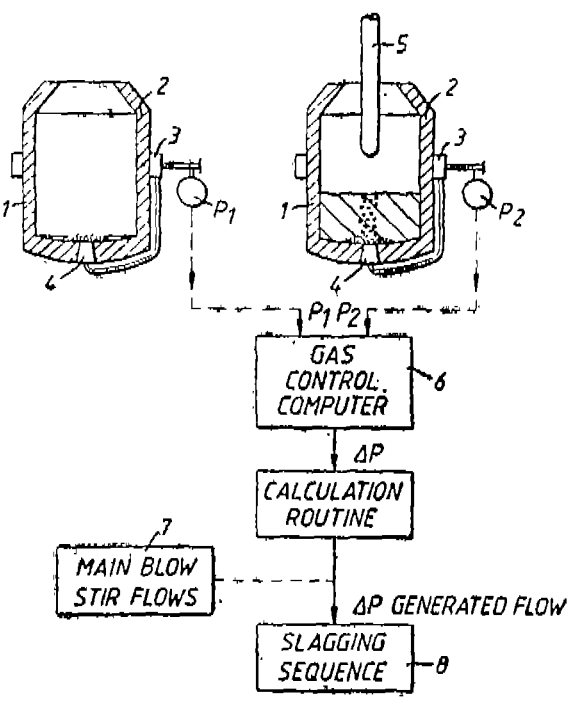


Fig. 1

Comp. Specn. 12 Pages. Drg. 2 Sheets.

CLASS : 4 164029

Int. Cl. : H 01 F 7/18

A CONTROLLED MAGNETIC FIELD ENCLOSURE.

Applicant : MADRAS INSTITUTE OF MAGNETOBIOLOGY, A SOCIETY REGISTERED UNDER TAMIL NADU SOCIETIES REGISTRATION ACT, 1975, OF 9 JAGANATHAN ROAD, NUNGAMBAKKAM, MADRAS-600 034, TAMIL NADU.

Inventor : PUTHAN VEETIL SANKER NARAYAN.

Application No. 41/MAS/86 filed on 22nd January, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

2 Claims

A controlled magnetic field enclosure comprising two pairs of circular coils wound on circular formers and adapted to receive electric current, each of the four coils having the same number of turns, n, of electrically insulated wire, the smaller pair having a radius, a_1, and separated by a distance, d_1, the larger pair having a radius, a_2, and separated by a distance, d_2, means for mounting all the four coils rigidly, co-axially and symmetrically with their planes being perpendicular to their common axis and all the four winding being in series-aiding such that

$$a_2 > a_1,$$

$$\frac{a_2}{a_1} = 1{\cdot}33 \pm 0{\cdot}02$$

$$\frac{d_1}{a_1} = 2{\cdot}42 \pm 0{\cdot}04$$

$$\frac{d_2}{a_1} = 0{\cdot}94 \pm 0{\cdot}04$$

$$\frac{d_2}{a_2} = 0{\cdot}71 \pm 0{\cdot}01 \text{ and}$$

$$\frac{W}{a_1} \leq \frac{1}{30},$$

wherein W is the width of winding of the wires thereby resulting in a coil constant $C = \frac{100 \times n}{0{\cdot}835 \times a_1}$ nano-Tesla per milliampere of current.

Compl. Specn. 11 pages. Drg. 2 sheets.

CLASS : 164030

Int. Cl : A61K 9/00.

A PROCESS FOR MAKING FAST RELEASE FLURBIPROFEN COMPOSITIONS.

Applicant : THE BOOTS COMPANY PLC, 1 THANE ROAD WEST, NOTTINGHAM, ENGLAND, A BRITISH COMPANY.

Inventor : GRAHAM BIRD; ALAN SMITH.

Application No. 746/Mas/86 filed on 23rd September, 1986.

Convention dated 3rd October 1985 (No. 85/24421; Great *Britain*).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims

A process for making a rapid release pharmaceutical composition comprising 2-(2-fluoro-4-biphenylyl) propionic acid or a pharmaceutically acceptable salt thereof and an excipient comprising one or more polyol esters and glycerides of natural vegetable oils having a melting point less than 55°C and an HLB value in the range 10 to 14 wherein the 2-(2-fluoro-4-biphenylyl) propionic acid or the salt thereof is added to the said excipient in molten form with stirring to form a homogeneous solution or dispersion and allowing the composition to solidify.

This pharmaceutical composition is widely used as non-steroidal analgesic, anti-inflammatory and antipynetic agent.

Compl. Specn. 30 pages. Drg. Nil.

CLASS : 4 164031

Int. Cl.° : C13F 1/02.

A PROCESS FOR CONTINUOUS CRYSTALLIZATION OF SACCHAROSE AND A DEVICE FOR CARRYING OUT THE SAME.

Applicant & Inventor : FRANCOIS LANGRENEY, A FRENCH CITIZEN, OF 49, RUE DE BOULAINVILLIERS, 75016 PARIS, FRANCE.

Application for Patent No. 684/Del/85 filed on 20th August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

12 Claims

A process for continuous crystallization of saccarose which comprises feeding a massacuite mixture consisting of saccharose crystals, impurities and mother liquor along a process stream, supplying to said massacuite mixture a feeding liquor for promoting the crystal growth, heating by means of a heating means, the diluted massacuite mixture till it boils for concentrating the mixture diluted by the feeding liquor, stirring and intensifying the stirring of said mixture in a manner as herein described from the beginning to the end of said process path in order to maintain the specific rate of crystallization to a substantially constant, optimum value over most of the process path.

Compl. Specn. 16 pages. Drgs. 2 sheets.

CLASS : 4 164032.

Int. Cl.° : H01B 13/32.

METHOD FOR PROVIDING PROTECTIVE COATING ON AN ELECTRICAL & ELECTRONIC CIRCUITRY.

Applicant : UNIROYAL INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW JERSEY, ONE OF THE UNITED STATES OF AMERICA, LOCATED AT WORLD HEADQUARTERS, MIDDLEBURY, CONNECTICUT 06749, UNITED STATES OF AMERICA.

Inventors : CONSTANCE ANNE JOHNSON AND ASPET VARTAN MERIANIAN.

Application for Patent No. 746/Del/85 filed on 11th September, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

3 Claims

A method for providing protective coating on an electrical and electronic circuitry comprising :

(a) applying by any known method to said circuitry a composition in the form of a solution.

(i) an ethylene-alpha-olefin copolymer having a molecular weight of from about 500 to about 20,000; and

(ii) a curative such as herein described; and

(iii) a coagent as herein described.

(b) exposing by any known method the resultant structure to curing conditions.

Compl. Specn. 15 pages.

CLASS : 4 164033

Int. Cl : H02G 15/00, H01T 3/00, H02H 9/00.

DISCHARGER FOR THE PROTECTION OF COAXIAL CONDUCTING CABLES AGAINST OVERVOLTAGES.

Applicant : COMPAGNIE INDUSTRIELLE DE TUBES ET LAMPS ELECTRIQUES CITEL, OF 8, AVENUE JEAN-JAURES, 92132 ISSY-LES-MOULINEAUX, FRANCE A FRENCH COMPANY.

Inventor : FRANCOIS GUICHARD

Application for Patent No. 821/Del/85 filed on 07th October, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

A discharger for the protection of coaxial conducting cables against over voltages, the discharger comprising :

(a) a casing sealed so as to be gas-tight and having a controlled atmosphere of an inert gas at sub-atmospheric pressure;

(b) first and second electrodes having facing surfaces within the casing, said first electrode being an external electrode constituted by a circular cross-section tubular metallic member laterally delimiting the casing, the second electrode being an internal electrode;

(c) two beads obturating the ends of the central passage of the first electrode, said beads being either of glass or ceramic;

(d) metallic rod means at each end of the casing and sealingly passing through the aid beads, said rod means having one end projecting outside the casing to be joined, each at its end projecting outside the casing, to the core of a coaxial conductor, said first electrode being intended to be joined to the screening braid of the said coaxial conductor;

characterised in that :—

(e) said second electrode is a substantially cylindrical metallic member having a circular cross-section and disposed coaxially within said first electrode and defines an annular flashover zone separating said first and second electrodes, said second metallic electrode being extended at each of its axial ends by said metallic rod means passing through said beads.

Compl. Specn. 17 pages. Drg. 1 sheet.

CLASS : 4 164034

Int. Cl.* : F16B 1/00, B60S 1/04, 1/32, 1/38.

CLIP MEANS FOR RETAINING A WIPER BLADE REFILL UNIT ASSEMBLED WITH A SUPERSTRUCTURE TO FORM A WINDSHIELD WIPER.

Applicant : THE ANDERSON COMPANY OF INDIANA, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, U. S. A. OF 402 ROYAL ROAD, MICHIGAN CITY, INDIANA 46360, UNITED STATES OF AMERICA.

Inventors : PHILIP MARK BEARENWALD, MICHAEL GEORGE MOHNACH AND JOHN JOSEPH PLISKY.

Application for Patent No. 822/Del/85 filed on 07th October, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

Clip means for retaining a wiper blade refill unit assembled with a superstructure to form a windshield wiper, the refill unit having a resilient wiping element and a backing member carried by the wiping element, and said superstructure having at least two articulated holders with at least one of the holders having claws engaging flanges on said backing member, said clip means comprising a body portion and spaced downturned side portions engaging the flanges on the backing member, a tab projecting downwardly from a midportion of the body portion and engaging in one of at least two longitudinally spaced apertures in the midportion of the back of the backing member, detents and lugs being provided on each side portion of the body portion and seating below the plane of the flanges on the backing member, a pair of legs being connected to the side portions of the body portion and lying in a plane generally common with the plane of the body portion, latch means on each leg lying in the plane of the leg and extending outwardly beyond the side flanges of the backing member, the claws on the at least one holder of the superstructure seating between the latch means and the side portions of the body portion for holding the superstructure assembled on the refill unit.

Compl. Specn. 13 pages. Drg. 1 sheet.

CLASS : 4 164035

Int. Cl : C03C 21/00.

A METHOD FOR MAKING HIGH TRANSMITTANCE LOW EMISSIVITY ARTICLES.

Applicant : PPG INDUSTRIES, INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF PENNSYLVANIA, OF ONE PPG PLACE, PITTSBURGH 22, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventor : FRANK HOWARD GILLERY.

Application for Patent No. 853/Del/85 filed on 15th October, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

10 Claims

A method for making a high transmittance emmissivity article as herein described comprising the steps of ;

(a) Placing a transparent, non-metallic substrate in a sputtering chamber;

(b) sputtering cathode target comprising an alloy of zinc and tin in a reactive atmosphere comprising oxygen to deposit a transparent metal alloy oxide film on a surface of said substare;

(c) sputtering a first primer layer on said oxide film;

(d) sputtering a silver cathode target in an inert atmosphere to deposit a transparent silver film on said first primer layer;

(e) sputtering a second primer layer on said silver film; and

(f) sputtering a cathode target comprising an alloy of zinc and tin in a reactive atmosphere comprising oxygen to deposit a metal alloy oxide film on said second primer layer.

Compl. Specn. 18 pages.

CLASS : 4 164036

Int Cl. : F16L 15/00.

A DETACHABLE AND INTERCHANGEABLE JOINT FOR STEEL TUBING USABLE IN THE PETROLEUM INDUSTRY AND PROCESS FOR MANUFACTURING THE SAME.

Applicant : VALLOUREC, A FRENCH COMPANY, OF 7, PLACE DU CHANCELIER ADENAUER 75116 PARIS, FRANCE.

Inventor : BERNARD PLAQUIN AND PAUL BOUNIF.

Application for Patent No. 883/Del/85 filed on 24th October, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

A detachable and interchangeable joint for steel tubing usable in the petroleum industry comprising a male element (3) with an external threading (4) cooperating with a female element having a corresponding internal threading (2) wherein a first of said elements comprises a composite structure comprising a lining (20) of synthetic material secured to said first element on the part (10, 16) of its threading which does not come into contact with the threading of the second element when the joint is made up with its nominal torque, the volume and the shape of said synthetic material lining (20) corresponding to the volume and the shape of the clearance (17) that would exist between the steel part of the first element and the second element of said joint in its installed state so that no free space exists between the male and female element of said joint.

Compl. Specn. 16 pages. Drgs. 5 sheets.

CLASS : 4 164037

Int. Cl. : F 26B 21/00, 23/00, F28C 1/00.

APPARATUS FOR HEAT EXCHANGE BETWEEN GAS AND FINE-GRAINED MATERIAL.

Applicant : KRUPP POLYSIUS AG., OF GRAF-GALEN-STRASSE 17, D-4720 BECKUM, WEST GERMANY.

Inventor : OTTO HEINEMANN AND HEINZ-HERBERT SCHMITS.

Application for Patent No. 905/Del/85 filed on 30th October, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

14 Claims

Apparatus for heat exchange between gas and fine-grained material, said apparatus consists of a plurality of cyclone like separators (1, 2, 3) which are located one above another and have their axis (5, 7) inclined relative to the vertical, in which the axes of neighbouring separators are offset relative to one another by approximately 90, in which the material discharge pipe (9) of each of the individual separators opens into the gas pipe (8) leading to the separator arranged below it, and the separators (1, 2, 3) have an obtuse central axis (5, 7) and the axis (5) of the upper part (4) of the separator forms the same angle (α) with the vertical as the axis (12) of the adjoining gas pipe (8), whilst the axis (7) of the lower part (6) of the separator encloses a smaller angle with the vertical.

Compl. Specn. 13 pages. Drgs. 9 sheets.

CLASS : 4 164038

Int. Cl : F24J 2/00.

HEATING APPARATUS USING SOLAR ENERGY.

Applicant : THE UNIVERSITY OF SYDNEY, OF PARRAMATTA ROAD, SYDNEY, NEW SOUTH WALES 2006. AUSTRALIA: A JURIDICAL BODY ESTABLISHED BY AN ACT OF PARLIAMENT OF THE STATE OF NEW SOUTH WALES, IN THE COMMONWEALTH OF AUSTRALIA.

Inventor : DAVID ROY MILLS.

Application for Patent No. 952/Del/85 filed on 15th November, 1985.

Appropriate office for opposition procedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims

A heating apparatus comprising at least one solar collector which incorporates a solar selective surface coating and through which a heat exchange fluid is directed for exposure to the heating effect of solar energy, a metal heating element which is disposed at a level above that of the collector and which is exposed to the heating effct of the collector and which is exposed to the heating effect of fluid from the collector and means disposed below the level of the hating element adjacent the collector for storing heat carried by fluid from the collector.

Compl. specn. 11 pages. Drg. 3 sheets

CLASS : 4 164039

Int. Cl. D06M 17/00.

MAT OF RESILIENT MATERIAL.

Applicant : CLOUTH GUMMIWERKE AKTIENGESELLSCHAFT, OF NIEHLER STRASSE 92–116, 5000 KOLN 60, WEST GERMANY, A GERMAN COMPANY.

Inventor : HERMANN ORTWEIN.

Application for Patent No. 1042/Del/85 filed on 10th December, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A mat of resilient material for use as base for a bed of broken stones the bottom surface of which bed displays a number of uneven and projecting parts the upper surface of said mat being provided with a layer consisting of a material other than that of the mat, characterised in that the layer forming the upper surface of the mat comprises a fabric.

Compl. specn. 4 pages Drg. 1 sheet

Int. Cl⁴ : H 05 B 7/02 164040

A DIRECT CURRENT ARC FURNACE

Applicant : BBC Brown, Boveri Limited, of CH-5401, Baden Switzerland, a Swiss Company.

Inventor : KARL BUHLER

Application No. 71/MAS/85 filed 28 January, 1985.

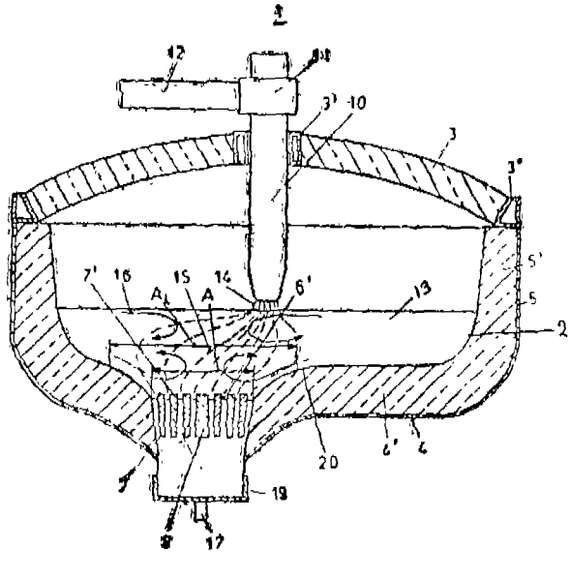
Appropriate Office for Opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Madras Branch.

4 Claims

A direct current arc furnace for melting metals and having at least one bottom electrode (6) which is arranged in the furnace crucible bas (4, 4') with the hearth surface (20) of the electric arc furnace extending successively in the area of the bottom electrode (6) from the latter towards the inside of the furnace crucible characterised in that the ratio of the cross section (A_L) of the hearth surface (20) to the cross section (A) of the bottom electrode (6) in its melting bath contact surface (6', 7') is selected in a range of :

$$1 \cdot 2\,(L/R) \leqslant A_L/A \leqslant 10\,(L/R)$$

with A_L and A being given in square meters, L being the axial distance in meters from the melting bath contact surface (6',7') into the inside of the furnace crucible in the range o to 500 cms and R being the radius of the bottom electrode(6) in its melting bath contact surface (6', 7') in the range of 1 to 100 cms.



Compl. Specn. 17 Pages Drg. 5 Sheets.

CLASS : 80 J 164041

Int. Cl. : B 01 d 35/02, 35/28.

TUBEWELL STRAINER UNIT.

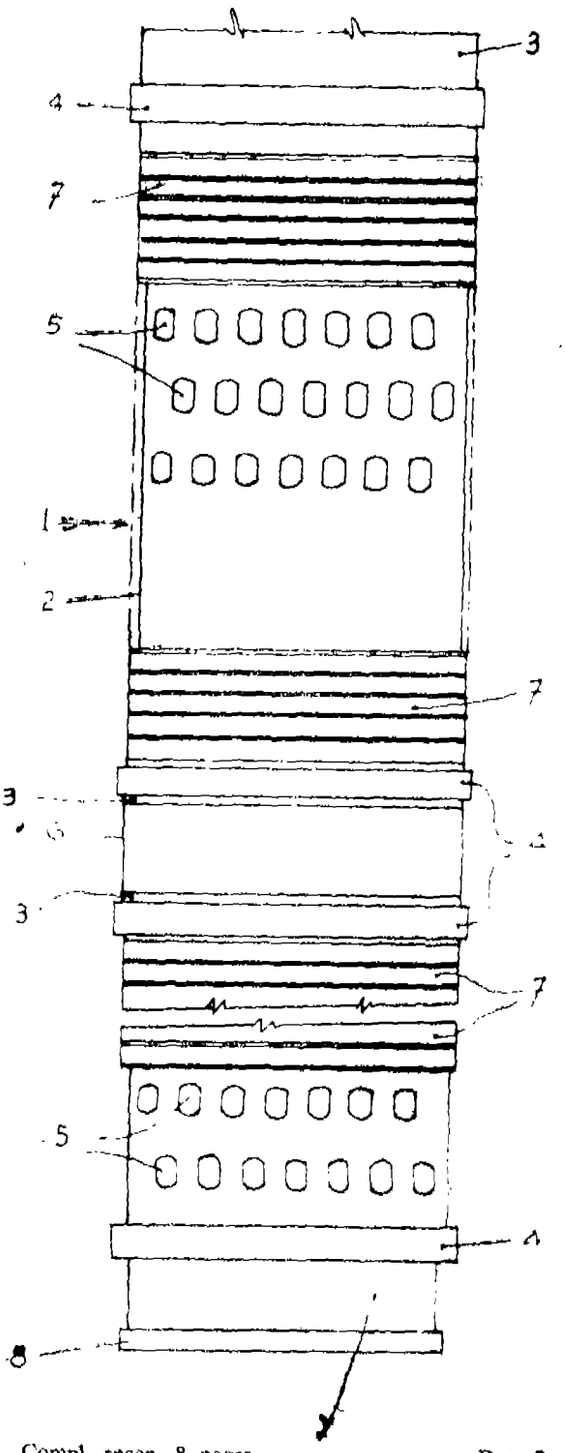
Applicant & Inventor : RAMA PADA CHATTERJEE, 45, KALI KUMAR MAZUMDAR ROAD, CALCUTTA-700 075, WEST, BENGAL, INDIA.

Application No. 796/Cal/84 filed November 17, 1984.

Appropriate office for opposition procedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A tubewell strainer unit of the type having a cylindrical core or support made of plastics, with slots or perforations or holes on the wall thereof for access of water therethrough, and with filtering means mounted therearound, wherein one of the two ends of the side core or support being adapted to be pushfitted into, or accommodate tightly, one end of a coupling member, and retained securely with or without use of known bonding agent, and the other end of the said coupling member being adapted to be push-fitted into, or to accommodate tightly the one of the ends of the core or support of another strainer unit, so as to enable jointing of desired number of such strainer units, and the said ends of the cover support and/or those of the coupling member having retaining collars.



Compl. specn. 8 pages Drg. 2 sheets

CLASS : 80-z 164042

Int. Cl. : B 01 d 35/00.

TUBEWELL STRAINER UNIT.

Applicant & Inventor : RAMA PADA CHATTERJEE, 45, KALI KUMAR MAZUMDAR ROAD, CALCUTTA-700 075, WEST BENGAL, INDIA.

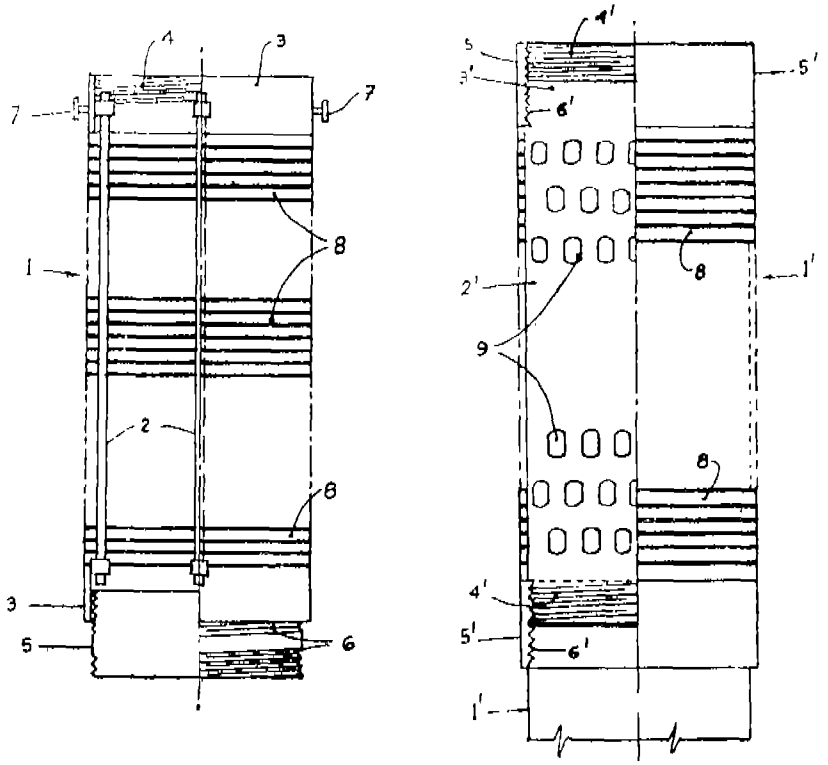
Application No. 797/Cal/84 filed November 17, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A tubewell strainer unit of the type having a framework with filtering means mounted therearound, wherein the said frame work has a threaded member at each end thereof, and one such threaded end of the frame work has securely or detachably fitted thereto a coupling member having threads at both ends thereof which threads are matching to those of the said threaded member or portion, so as to enable jointing of desired number of such strainer units through the coupling members thereof, and wherein the said framework is constituted by a plurality of angularly spaced metal rods with or without reinforcement ring(s), and having a socket securely fitted at each end thereof e.g. by welding, the free ends of said sockets being threaded to define the said threaded members, the threaded member at each end of the frame work is either internally threaded, while the coupling member is externally threaded at its both ends to match said internal threads, or the threaded member at each end of the framework is externally threaded, while the coupling member is internally threaded at its both ends to match said external threads.

Compl. speen. 8 pages. Drg. 2 sheets



CLASS : 64-B 3 164043

Int. Cl. : H 01 r 13/10.

AN ELECTRICAL INSTALLATION COMPRISING INDIVIDUAL ASSEMBLIES.

Applicant : SIEMENS AKTIENGESELLSCHAFT, BERLIN & MUNICH, WEST GERMANY.

Inventor : 1. OTTO MEUSEL, 2. SIEGFRIED SEIDEL, 3. HEINZ-DIETER MUNCH, 4. GUNTHER DEINHARDT.

Application No. 342/Cal/85 filed May 3, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

An electrical installation, such as a printed circuit board module, having mounted individual electrical assemblies, the installation comprising :

a profiled plate formed with a U-profile thereon, one side of the U-profile having notches spaced apart at distances according to the widths of the electrical assemblies and the other side of U-profile, facing the electrical assemblies providing a pivotal axis for the electrical assemblies:

an electrical connector mounted on the profiled plate, located vertically below and horizontally between the notches, the electrical connector connecting with a mating connector and mounted on one of the individual electrical assemblies by means of a pivotal action about the pivotal axis, the mating connector and the plate thereby forming an assembly carrier; and

a guide piece having lateral guide plates providing guidance for one of the electrical assemblies and having snap action extensions fastened to the notches in said one side of the U-profile.

Compl. speen. 12 pages Drgs. 3 sheets

Int. Cl. : C 06 b 19/00 164044

PROCESS FOR THE PREPARATION OF AN IMPROVED SLURRY OR WATER-IN-OIL EMULSION EXPLOSIVE COMPOSITION AND AN EXPLOSIVE COMPOSITION PREPARED THEREBY.

Applicant : IEL LIMITED, ICI HOUSE, 34 CHOWRINGHEE ROAD, CALCUTTA-700071, WEST BENGAL, INDIA.

Inventor : 1. DHIRENDRA NATH BHATTACHARYYA 2. GOPAL MOHAN CHOPRA.

Application No. 343/Cal/85 filed May 3, 1985.

Complete Specification left on July 31, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A process for the preparation of an improved slurry or water-in-oil emulsion explosive composition which comprises :

preparing an emulsion at a temperature of from 80°C to 90°C of oxidiser salts such as herein described;

fuels such as herein described;

water and conventional emulsifying agents;

adding to the emulsion so prepared from 3% to 10% by weight based on the weight of the composition of solid carbon dioxide which on contact with the hot emulsion changes its state directly from solid to gas thereby extracting the heat from the emulsion extremely quickly and lowering the temperature thereof and substantially simultaneously adding to said emulsified composition a conventional gassing agent adapted to generate a large number of gas bubbles;

said bubbles being entrapped within the composition which has been rendered viscous as a result of the fast cooling thereof.

Compl. specn. 13 pages. Drg. Nil

Prov. specn. 7 pages. Drg. Nil

CLASS : 68 C & E 164045

Int. Cl. : H 02 J 11/00.

IMPROVEMENTS IN OR RELATING TO ELECTRO-PNEUMATIC CONVERTERS.

Applicant : THE BABCOCK & WILCOX COMPANY, 1010 COMMON STREET, P.O. BOX 60035, NEW ORLEANS LOUSISIANA 70160, UNITED STATES OF AMERICA.

Inventors : 1. CHRISTINE BROBST BARNES, 2. THOMAS E. MARTIN, 3. FRANK E. NARDIS.

Application No. 414/Cal/85 filed May 31, 1985.

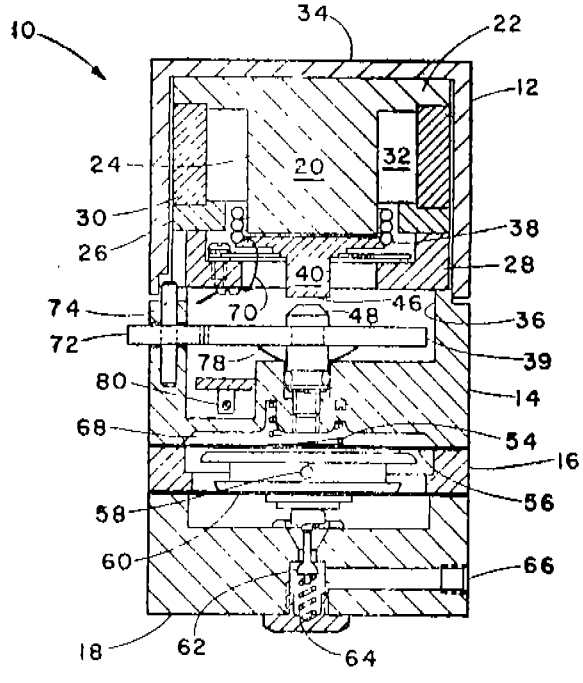
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

An electropnumatic converter for converting an electric output signal from a controller to an air signal for operating a pneumatic device, such as here indescribed, comprising :

a nozzle connected to a source of air under presaure;

an electromagnet, associated with said electromagnet, and a vane directly connected to the coil in proximity to the out let of the nozzle a fixed support member a spring means connected to the fixed support member for resiliently supporting the vane and coil and means for energizing the electromagnet to move the coil and vane towards the out let of the nozzle to vary the outflow of air under pressure from the outlet of the nozzle.



Compl. specn. 11 pages. Drg. 2 sheets

CLASS : 85 J, 68 C & E 164046

Int. Cl. : H 02 J 11/00.

PNEUMATIC POSITIONER.

Applicant : THE BABCOCK & WILCOX COMPANY, 1010 COMMON STREET, P.O. BOX 60035, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

Inventors : LEE ANDREW WEBER.

Application No. 415/Cal/85 filed May 31, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A pneumatic positioner comprising :

a nozzle connected to a source of air under pressure;

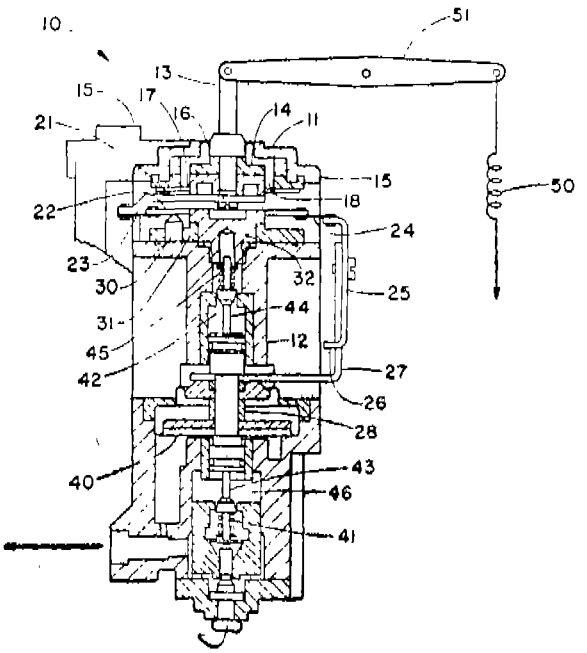
a flat vane juxtaposed adjacent to the outlet of the nozzle input means operatively connected to a first end of the vane for pivotally moving the vane relative to the outlet to variably restrict the outflow of air from the outlet and vary the backpressure of the nozzle and signal generating means operatively connected to a second end of the vane for generating an output signal;

the nozzle being juxtaposed to a portion of the vane intermediate the first and second ends wherein the vane comprises an O-shaped strip having an O-shaped recess disposed between legs of the strip;

an alongate stem extends into the O-shaped recess between the legs of the strip;

a disc is mounted to the stem for rotation; and

the nozzle is mounted in the disc for movement therewith the outlet of the nozzle continuously aligned with the vane along a path between the first and second ends.



Compl. specn. 11 pages Drg. 3 sheet

CLASS : 69-I 164047

Int. Cl. : H 03 k 17/60.

A SEMICONDUCTOR POWER SWITCH COMPRISING A THYRISTOR.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

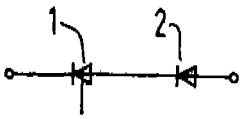
Inventor : ERHARD LEHMANN.

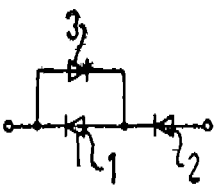
Application No. 496/Cal/85 filed July 2, 1985.

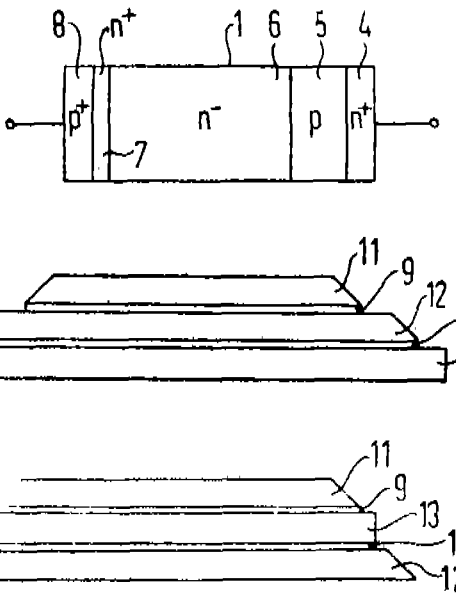
Appropriate office for opposition procedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A semiconductor power switch comprising an asymmetrically blocking thyristor with which a diode (2) is connected in series, where the diode is dimensioned such that a higher reverse recovery charge is stored in the diode than in the thyristor, optionally said thyristor being also connected with an auxillary diode in anti-parallel fashion.







Compl. specn. 8 pages. Drg. 1 sheet

CLASS : 136-C & 151-F 164048

Int. Cl. : B 29 d 23/00.

DEVICE FOR THE PRODUCTION OF A TUBE.

Applicant : KONINKLIJKE EMBALLAGE INDUSTRIE VAN LEER B.V., AMSTERDAMSEWEG 206, 1182 HI. AMSTELVEEN, THE NETHERLANDS.

Inventors : 1. DAVID OWEN LOE, 2. GERRIT JAN VAN KEIMPEMA.

Application No. 516/Cal/86 filed July 11, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

Device for the manufacturing of a tube of indefinite lengths and aprecise predetermined diameter from a thermoplastic synthetic resin, said device comprising :

an extrusion die with an annular extrusion aperture;

a closure located inside the extruded tube at a distance from the extrusion die;

said closure limiting the internal area inside the extruded tube to be cooled and being connected to that part of the extrusion die situated inside the extrusion aperture;

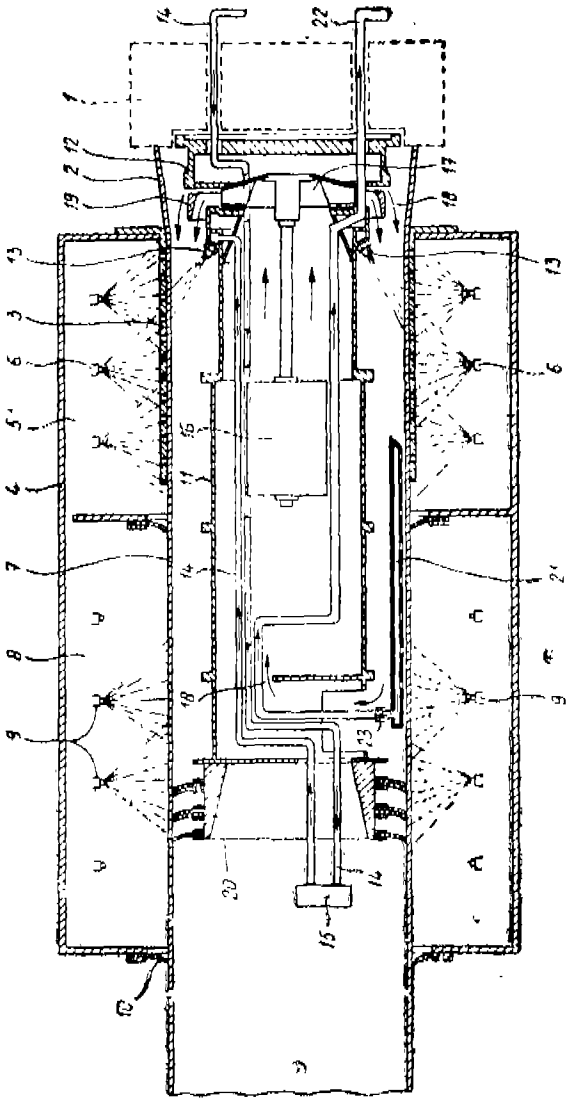
a calibration device in engagement with the outer surface of the extruded tube and located between the extrusion die and the closure as seen in the longitudinal direction of the extruded tube means for cooling the outer surface of the extruded tube;

means for cooling the inner side of the extruded tube;

said last mentioned means comprising a ring of water jects the spray direction of which is directed at an angle against the inner surface of the extruded tube and away from the extrusion die:

characterized in that between said die and the ring of water jets a fan has been provided inside the extruded tube, which fan generates an airflow away from the die, whilst the connection between the closure and the die is formed by a hollow pipe having an inlet for air at a distance from the fan and defining an annular space inside the extruded tube for the airflow leaving the fan;

said device further comprising supply conduit for water to the jets and suction tube in the lower region of the extruded tube for removing water.



Compl. specn. 11 pages Drg. 2 sheets

CLASS : 129-J 164049

Int. Cl. : B 21 b 37/00.

DEVICE FOR THE CONTROL OF TUBE ROLLING EQUIPMENTS.

Applicant : VEB ROHRKOMBINAT STAHL-UND WALZWERK RIESA DDR-8400 RIESA DIMITROFFSTRABE 10, GERMAN DEMOCRATIC REPUBLIC.

Inventors : 1. KURT NIENDORF, 2. DR.-ING. FRANZ WEGENER, 3. WALTER MADLER.

Application No. 820/Cal/85 filed November 18, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A device for the control of tube rolling equipments, preferably with several, interchangeable non driven working frames, where the force of reshaping is applied over an auxiliary tool to the job (34) to be reshaped, which is on an inner tool, for example, on a mandrel rod (33), which is regulated by a shaft rod (31), through a reversible main driving motors (29), according to a travel diagram, corresponding to the position of the shaft rod, characterised in that, an impulse generator (32) on the main driving motor (29) and an infra red cell (36) on the first working frame (38) are connected with a synchronising switch (22), with which two regulated integrators (18), (19) are connected, whose integration input terminals being connected to one current transformer (26) on the main driving motor (29) and the output terminals to a correcting element (15) for the correction of the speed of the shaft rod (31), another correcting element (12), for the correction of the temperature of the job (34) to be reshaped being connected to the correcting element (15), a further correcting element (42) for the correction of the supply voltage of the main driving motor (29) being connected to the correcting element (12) and the output terminal of the correcting element (42) is connected with a storing device (10) with summation, which is synchronised by the synchronising switch (22), the output terminal of the storing device (10) over the comparators (8), (9), after release through a cycle counter (20), carries out a comparision with the limiting value for faultless cycles, administered to the input equipment (6) where after release by the cycle counter (21), over the comparators (13), (14) a further comparision is done with the help of a regulating switch (41) and the current transformer is also connected with the comparator (17) and over the synchronising switch (22), comparision is done with the limiting value of the current intake for each working frame/process run through, as administered into the input equipment (2), where the comparator (9) acts upon the indicating and regulating equipment (5) and the regulating switch (41) acts upon an indicating device (39) for the number of cycles which in their turn are connected with each other and with an indicating and regulating equipment (3) for the purpose of switching off, for the prevention of danger, on which likewise the comparator (17) act and whose output terminal is connected with a quick break (27) with electrical braking device.

Compl. specn. 22 pages. Drg. 3 sheets

Int. Cl. : B 01 d 35/00 164050

TUBEWELL STRAINER UNIT.

Applicant & Inventor : RAMA PADA CHATTERJEE, OF 45, KALI KUMAR MAZUMDAR ROAD, CALCUTTA-700 075, WEST BENGAL, INDIA.

Application No. 453/Cal/88 filed June 2, 1988.

Division of Application No. 797/Cal/84 dated 17th November, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A tubewell strainer unit of the type having a framework with filtering means mounted there around, wherein the said framework has a threaded member at each end therof, and one such threaded end of the framework has securely or detachably fitted thereto a coupling member having threads at both ends thereof which threads are matching to those of the said threaded member or portion, as to enable jointing of desired number of such strainer units through the coupling members therof, and wherein the said framework is constituted by a cylindrical member having slots/perforations/holes for access of water therethrough, metallic or non-metallic, each end whereof is either threaded to define the said threaded portion, or is provided with a socket, the free end of which is threaded member at each end of the framework is either internally threaded, while the coupling member is externally threaded at its both ends to match said internal threades or the threaded member at each end of the framework is externally threaded, while the coupling member is internally threaded at its both ends to match said external threads.

Compl. specn. 8 pages. Drg. 1 sheet

R. A. ACHARAYA

Controller General of Patents, Designs and Trade Marks

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